### Contractor's Report to the Board

# Evaluation of Health Effects of Recycled Waste Tires in Playground and Track Products

(Publication #622-06-013)

### Produced under contract by:



January 2007

# Appendix B: Wipe Sampling Raw Data





30 June, 2005

Myrto Petreas Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley, CA 94710

RE: OEHHA Playground Study

Grever aller

Work Order: MOF0403

Enclosed are the results of analyses for samples received by the laboratory on 06/08/05 18:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen Project Manager

CA ELAP Certificate #1210





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 Reported: 06/30/05 13:37

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A	MOF0403-01	Wipe	06/07/05 00:00	06/08/05 18:45
В	MOF0403-02	Wipe	06/07/05 00:00	06/08/05 18:45
C	MOF0403-03	Wipe	06/07/05 00:00	06/08/05 18:45
D	MOF0403-04	Wipe	06/07/05 00:00	06/08/05 18:45
E	MOF0403-05	Wipe	06/07/05 00:00	06/08/05 18:45
F	MOF0403-06	Wipe	06/07/05 00:00	06/08/05 18:45
G	MOF0403-07	Wipe	06/07/05 00:00	06/08/05 18:45
Н	MOF0403-08	Wipe	06/07/05 00:00	06/08/05 18:45
I	MOF0403-09	Wipe	06/07/05 00:00	06/08/05 18:45
J	MOF0403-10	Wipe	06/07/05 00:00	06/08/05 18:45
K	MOF0403-11	Wipe	06/07/05 00:00	06/08/05 18:45
L	MOF0403-12	Wipe	06/07/05 00:00	06/08/05 18:45





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### **Total Metals by EPA 6020 ICPMS Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A (MOF0403-01) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	3/05 18:45						
Aluminum	71	2.0	ug/Wipe	20	5F22029	06/22/05	06/22/05	EPA 6020	
<b>B</b> (MOF0403-02) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	3/05 18:45						
Aluminum	110	2.0	ug/Wipe	20	5F22029	06/22/05	06/22/05	EPA 6020	
C (MOF0403-03) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	8/05 18:45						
Aluminum	75	2.0	ug/Wipe	20	5F22029	06/22/05	06/22/05	EPA 6020	



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte		Reporting							
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
A (MOF0403-01) Wipe San	mpled: 06/07/05 00:00	Received: 06/08	8/05 18:45						
Calcium	400	12	ug/Wipe	1	5F22022	06/22/05	06/22/05	EPA 6010B	
Iron	140	5.0	"	"	"	"	"	"	
Potassium	ND	100	"	"	"	"	06/22/05	"	
Antimony	2.8	1.0	"	20	5F22029	"	06/22/05	EPA 6020	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	ND	5.0	"	"	"	"	"	"	
Beryllium	ND	0.20	"	"	"	"	"	"	
Cadmium	ND	0.60	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Copper	ND	5.0	"	"	"	"	"	"	
Lead	ND	5.0	"	"	"	"	"	"	
Molybdenum	ND	2.0	"	"	"	"	"	"	
Nickel	ND	8.0	"	"	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	
Zinc	ND	10	"	"	"	"	"	"	
Magnesium	67	2.5	"	1	5F22022	"	06/22/05	EPA 6010B	
B (MOF0403-02) Wipe San	npled: 06/07/05 00:00	Received: 06/08	8/05 18:45						
Calcium	450	12	ug/Wipe	1	5F22022	06/22/05	06/22/05	EPA 6010B	
Iron	220	5.0	"	"	"	"	"	"	
Potassium	120	100	"	"	"	"	"	"	
Antimony	2.8	1.0	"	20	5F22029	"	06/22/05	EPA 6020	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	ND	5.0	"	"	"	"	"	"	
Beryllium	ND	0.20	"	"	"	"	"	"	
Cadmium	ND	0.60	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Copper	ND	5.0	"	"	"	"	"	"	
Lead	ND	5.0	"	"	"	"	"	"	
Molybdenum	ND	2.0	"	"	"	"	"	"	
Nickel	ND	8.0	"	"	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

B (MOF0403-02) Wipe   Sampled: 06/07/05 00:00   Received: 06/08/05 18:45										
ND	Analyte	Resul	1 0	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium         88         2.5         "         1         5F22022         "         06/22/05         EPA 6           C (MOF0403-03) Wipe         Sampled: 06/07/05 00:00         Received: 06/08/05 18:45           Calcium         240         12         ug/Wipe         1         5F22022         06/22/05         06/22/05         EPA 6           Iron         170         5.0         " <th>B (MOF0403-02) Wipe</th> <th>Sampled: 06/07/05 00:00</th> <th>Received: 06/08</th> <th>8/05 18:45</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	B (MOF0403-02) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	8/05 18:45						
C (MOF0403-03) Wipe         Sampled: 06/07/05 00:00         Received: 06/08/05 18:45           Calcium         240         12         ug/Wipe         1         5F22022         06/22/05         06/22/05         EPA 6           Iron         170         5.0         "	Zinc	NI	) 10	ug/Wipe	20	5F22029	06/22/05	06/22/05	EPA 6020	
Calcium         240         12         ug/Wipe         1         5F22022         06/22/05         06/22/05         EPA 6           Iron         170         5.0         "	Magnesium	88	8 2.5	"	1	5F22022	"	06/22/05	EPA 6010B	
Iron         170         5.0         "<	C (MOF0403-03) Wipe	Sampled: 06/07/05 00:00	Received: 06/0	8/05 18:45						
Potassium         ND         100         " <t< td=""><td>Calcium</td><td>240</td><td>0 12</td><td>ug/Wipe</td><td>1</td><td>5F22022</td><td>06/22/05</td><td>06/22/05</td><td>EPA 6010B</td><td></td></t<>	Calcium	240	0 12	ug/Wipe	1	5F22022	06/22/05	06/22/05	EPA 6010B	
Antimony         4.2         1.0         "         20         5F22029         "         06/22/05         EPA of Separation           Arsenic         ND         1.0         "         <	Iron	170	<b>0</b> 5.0	"	"	"	"	"	"	
Arsenic         ND         1.0         "	Potassium	NI	100	"	"	"	"	"	"	
Barium         ND         5.0         "	Antimony	4.2	2 1.0	"	20	5F22029	"	06/22/05	EPA 6020	
Beryllium         ND         0.20         "         <	Arsenic	NI	1.0	"	"	"	"	"	"	
Cadmium         ND         0.60         " <th< td=""><td>Barium</td><td>NI</td><td>5.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<>	Barium	NI	5.0	"	"	"	"	"	"	
Cadmium Chromium ND 10 """""""""""""""""""""""""""""""""""	Beryllium	NI	0.20	"	"	"	"	"	"	
Cobalt	Cadmium	NI	0.60	"	"	"	"	"	"	
Copper	Chromium	NI	10	"	"	"	"	"	"	
Lead ND 5.0 " " " " " " " " " " " " " " " " " " "	Cobalt	NI	2.0	"	"	"	"	"	"	
Lead       ND       5.0       " </td <td>Copper</td> <td>NI</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Copper	NI	5.0	"	"	"	"	"	"	
Nickel         ND         8.0         "		NI	5.0	"	"	"	"	"	n n	
Selenium         ND         1.0         " <th< td=""><td>Molybdenum</td><td>NI</td><td>2.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>n n</td><td></td></th<>	Molybdenum	NI	2.0	"	"	"	"	"	n n	
Silver         ND         1.0         "	Nickel	NI	0.8	"	"	"	"	"	n n	
Thallium       ND       1.0       " <th< td=""><td>Selenium</td><td>NI</td><td>1.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>n .</td><td></td></th<>	Selenium	NI	1.0	"	"	"	"	"	n .	
Vanadium ND 2.0 " " " " " " " Zinc ND 10 " " " " " " " " "	Silver	NI	1.0	"	"	"	"	"	n .	
Zinc ND 10 " " " " " "	Thallium	NI	1.0	"	"	"	"	"	n .	
	Vanadium	NI	2.0	"	"	"	"	"	n .	
	Zinc	NI	) 10	"	"	"	"	"	"	
<b>Magnesium</b> 58 2.5 " 1 5F22022 " 06/22/05 EPA 6	Magnesium	58	8 2.5	"	1	5F22022	"	06/22/05	EPA 6010B	





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 Reported: 06/30/05 13:37

### Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Resu	Reporting It Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D (MOF0403-04) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	8/05 18:45						
Mercury	NI	0.0050	ug/Wipe	1	5F24016	06/24/05	06/24/05	EPA 7471A	
E (MOF0403-05) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	3/05 18:45						
Mercury	NI	0.0050	ug/Wipe	1	5F24016	06/24/05	06/24/05	EPA 7471A	
F (MOF0403-06) Wipe	Sampled: 06/07/05 00:00	Received: 06/08	3/05 18:45						
Mercury	NI	0.0050	ug/Wipe	1	5F24016	06/24/05	06/24/05	EPA 7471A	





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting Limit	Units	Dilution	Batch	Proposed	Anglyzad	Method	Notes
				Dilution	Daten	Prepared	Analyzed	Memod	notes
<b>G (MOF0403-07) Wipe</b>	Sampled: 06/07/05 00:00	Received: 06/0	8/05 18:45						
Acenaphthene	ND		ug/Wipe	1	5F15018	06/15/05	06/16/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND		"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND		"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methan	ne ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ethe	er ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl eth		5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	n .	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	n .	
2-Chlorophenol	ND	5.0	"	"	"	"	"	n .	
4-Chlorophenyl phenyl eth	ner ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND		"	"	"	"	"	"	
2,4-Dichlorophenol	ND		"	"	"	"	"	"	
Diethyl phthalate	ND		"	"	"	"	"	"	
2,4-Dimethylphenol	ND		"	"	"	"	"	n	
Dimethyl phthalate	ND		"	"	"	"	"	"	
4,6-Dinitro-2-methylpheno			"	"	"	"	"	n	
2,4-Dinitrophenol	NE NE		"	"	"	"	"	n	
2,4-Dinitrotoluene	ND		"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		"	"	"	"	"	"	
Di-n-octyl phthalate	ND		"	"	"	"	"	"	
Fluoranthene	NE NE		"	"	"	"	"	"	
Fluorene	NE NE		"	"	"	"	"	"	
1 IUOICIIC	NL	5.0							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 Reported: 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G (MOF0403-07) Wipe	Sampled: 06/07/05 00:00	Received: 06/0	8/05 18:45						
Hexachlorobenzene	ND		ug/Wipe	1	5F15018	06/15/05	06/16/05	EPA 8270C	
Hexachlorobutadiene	ND		"	"	"	"	"	"	
Hexachlorocyclopentadien			"	"	"	"	"	"	
Hexachloroethane	ND		"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND		"	"	"	"	"	"	
2-Methylphenol	ND		"	"	"	"	"	"	
4-Methylphenol	ND		"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND		"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamin	ie ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropheno	$\overline{}$	77 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		82 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-a	15	68 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobipher	nyl	77 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromo		78 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-di	14	69 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

_		ocquoia min	ary trear	more.					
Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H (MOF0403-08) Wipe	Sampled: 06/07/05 00:00	Received: 06/0	8/05 18:45						
Acenaphthene	ND		ug/Wipe	1	5F15018	06/15/05	06/16/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND		"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methan	ne ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND		"	"	"	"	"	"	
Bis(2-chloroisopropyl)ethe			"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND		"	"	"	"	"	"	
4-Bromophenyl phenyl etho			"	"	"	"	"	"	
Butyl benzyl phthalate	ND		"	"	"	"	"	"	
4-Chloroaniline	ND		"	"	"	"	"	"	
2-Chloronaphthalene	ND		"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		"	"	"	"	"	"	
2-Chlorophenol	ND		"	"	"	"	"	"	
4-Chlorophenyl phenyl eth			"	"	"	"	"	"	
Chrysene	ND ND		"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND ND		"	"	"	"	"	"	
Dibenzofuran	ND		"	"	"	"	"	"	
Di-n-butyl phthalate	ND		"	"	"	"	"	"	
1,2-Dichlorobenzene	ND ND		"	"	"	"	"	"	
1,3-Dichlorobenzene	ND ND		"	"	"	"	"	"	
1,4-Dichlorobenzene	ND ND		"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND ND		"	"	"	"	,,	"	
2,4-Dichlorophenol	ND ND		"	,,	"	"	,,	"	
Diethyl phthalate	ND ND		,,	,,	"	"	"	"	
2,4-Dimethylphenol	ND ND		"	,,	"	"	"	"	
Dimethyl phthalate	ND ND		"	,,	"	"	"	"	
4,6-Dinitro-2-methylpheno			"	,,	"	"	"	"	
			"	,,	"	"	"	"	
2,4-Dinitrophenol 2,4-Dinitrotoluene	ND ND		"	,,	"	"	"	"	
			,,	,,	,,	,,	,,	"	
2,6-Dinitrotoluene	ND ND		"	,,	"	"	,,	"	
Di-n-octyl phthalate	ND ND		"	"	"	"	"	"	
Fluoranthene	ND ND		"	,,	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H (MOF0403-08) Wipe	Sampled: 06/07/05 00:00	Received: 06/0	8/05 18:45						
Hexachlorobenzene	ND	5.0	ug/Wipe	1	5F15018	06/15/05	06/16/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadien	ie ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND		"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND		"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamin	e ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropheno	l	86 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		94 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-a	15	79 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobipher	ıyl	89 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromo	phenol	97 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-d1	14	84 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 Reported: 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyta	Donalt	Reporting	I In:t-	Dilution	Dat-l-	Duon J	A nol J	Moth - J	NI
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I (MOF0403-09) Wipe Sample	d: 06/07/05 00:00 Recei	ved: 06/08	/05 18:45						
Acenaphthene	ND	5.0	ug/Wipe	1	5F15018	06/15/05	06/16/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	50	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"		"	"	"	"	
2,4-Dimethylphenol	ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"		"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"		"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND ND	5.0	"	"	"	"	"	"	
Fluorene	ND ND	5.0	"	"	"	"	,,	"	
1 IUOICIIC	ND	5.0							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I (MOF0403-09) Wipe	Sampled: 06/07/05 00:00 I	Received: 06/08	/05 18:45						
Hexachlorobenzene	ND	5.0	ug/Wipe	1	5F15018	06/15/05	06/16/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadio		10	"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene		10	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylam		5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine		10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropher	nol	81 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		92 %	24-1	113	"	"	"	"	
Surrogate: Nitrobenzene	-d5	78 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobiph	enyl	93 %	30-1	115	"	"	"	"	
Surrogate: 2,4,6-Tribron	nophenol	76 %	19-1	122	"	"	"	"	
Surrogate: p-Terphenyl-	d14	82 %	18-1	137	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

		quoia Ai	iaiy tica	1 1 0 0 0 0	luma				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
J (MOF0403-10) Wipe Sampled: 06/9	07/05 00:00 Rece	ived: 06/08	05 18:45						
Naphthalene	ND	810	ug/Wipe	1	5060028	06/16/05	06/16/05	GCMS-SIM	
Acenaphthylene	ND	810	"	"	"	"	"	"	
Acenaphthene	ND	810	"	"	"	"	"	"	
Fluorene	ND	810	"	"	"	"	"	"	
Phenanthrene	ND	810	"	"	"	"	"	"	
Anthracene	ND	810	"	"	"	"	"	"	
Fluoranthene	ND	810	"	"	"	"	"	"	
Pyrene	ND	810	"	"	"	"	"	"	
Benzo (a) anthracene	ND	810	"	"	"	"	"	"	
Chrysene	ND	810	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1600	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	810	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	810	"	"	"	"	"	"	
Benzo (a) pyrene	ND	810	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	810	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	810	"	"	"	"	"	n .	
Dibenz (a,h) anthracene	ND	810	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		99 %	50-1	150	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		104 %	50-1	150	"	"	"	"	
Surrogate: Terphenyl-d14		108 %	50-1	150	"	"	"	n	
K (MOF0403-11) Wipe Sampled: 06	/07/05 00:00 Rec	eived: 06/0	8/05 18:45						
Naphthalene	ND	810	ug/Wipe	1	5060028	06/16/05	06/16/05	GCMS-SIM	
Acenaphthylene	ND	810	"	"	"	"	"	"	
Acenaphthene	ND	810	"	"	"	"	"	"	
Fluorene	ND	810	"	"	"	"	"	"	
Phenanthrene	ND	810	"	"	"	"	"	"	
Anthracene	ND	810	"	"	"	"	"	"	
Fluoranthene	ND	810	"	"	"	"	"	"	
Pyrene	ND	810	"	"	"	"	"	"	
Benzo (a) anthracene	ND	810	"	"	"	"	"	"	
Chrysene	ND	810	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1600	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	810	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	810	"	"	"	"	"	"	
Benzo (a) pyrene	ND	810	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	810	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	810	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	810	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K (MOF0403-11) Wipe Sampled: 06/	07/05 00:00 Rece	eived: 06/08	8/05 18:45						
Surrogate: Nitrobenzene-d5		88 %	50-15	50	5060028	06/16/05	06/16/05	GCMS-SIM	
Surrogate: 2-Fluorobiphenyl		90 %	50-15	50	"	"	"	"	
Surrogate: Terphenyl-d14		98 %	50-15	50	"	"	"	"	
L (MOF0403-12) Wipe Sampled: 06/0	07/05 00:00 Rece	ived: 06/08	3/05 18:45						
Naphthalene	ND	810	ug/Wipe	1	5060028	06/16/05	06/16/05	GCMS-SIM	
Acenaphthylene	ND	810	"	"	"	"	"	"	
Acenaphthene	ND	810	"	"	"	"	"	"	
Fluorene	ND	810	"	"	"	"	"	"	
Phenanthrene	ND	810	"	"	"	"	"	"	
Anthracene	ND	810	"	"	"	"	"	"	
Fluoranthene	ND	810	"	"	"	"	"	"	
Pyrene	ND	810	"	"	"	"	"	"	
Benzo (a) anthracene	ND	810	"	"	"	"	"	"	
Chrysene	ND	810	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1600	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	810	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	810	"	"	"	"	"	"	
Benzo (a) pyrene	ND	810	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	810	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	810	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	810	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		94 %	50-15	50	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		94 %	50-15	50	"	"	"	"	
Surrogate: Terphenyl-d14		98 %	50-15	50	"	"	"	"	



Dept. of Toxic Substances Contol-Berkeley
700 Heinz Avenue, Suite 100
Project Number:SAU5634
Berkeley CA, 94710
Project Manager:Myrto Petreas

MOF0403 **Reported:** 06/30/05 13:37

### Total Metals by EPA 6020 ICPMS - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5F22029 - EPA 3050B / EPA 6020										
Blank (5F22029-BLK1)				Prepared	& Analyze	ed: 06/22/0	)5			
Aluminum	ND	2.0	ug/Wipe							
<b>Laboratory Control Sample (5F22029-BS1)</b>				Prepared	& Analyze	ed: 06/22/0	)5			
Aluminum	51.0	2.0	ug/Wipe	50.0		102	80-120			
Laboratory Control Sample Dup (5F22029-B	SD1)	Prepared & Analyzed: 06/22/05								
Aluminum	51.3	2.0	ug/Wipe	50.0		103	80-120	0.6	200	



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas

Spike

Source

%REC

MOF0403 **Reported:** 06/30/05 13:37

RPD

### Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5F22022 - EPA 3050B / EPA 6010	0B									
Blank (5F22022-BLK1)	<u> </u>			Prepared	& Analyze	ed: 06/22/0	05			
Magnesium	ND	2.5	ug/Wipe	•						
Calcium	ND	12	"							
Iron	ND	5.0	"							
Potassium	ND	100	"							
Laboratory Control Sample (5F22022-BS1)				Prepared	& Analyze	ed: 06/22/0	05			
Magnesium	514	2.5	ug/Wipe	500	_	103	85-115			
Calcium	551	12	"	500		110	85-115			
fron	52.6	5.0	"	50.0		105	85-115			
Potassium	506	100	"	500		101	70-125			
Laboratory Control Sample (5F22022-BS2)				Prepared	& Analyze	ed: 06/22/0	05			
Magnesium	509	2.5	ug/Wipe	500	-	102	85-115			
Calcium	532	12	"	500		106	85-115			
fron	52.4	5.0	"	50.0		105	85-115			
Potassium	470	100	"	500		94	70-125			
Batch 5F22029 - EPA 3050B / EPA 6020	0									
Blank (5F22029-BLK1)				Prepared	& Analyze	ed: 06/22/0	05			
Antimony	ND	1.0	ug/Wipe		-					
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	0.20	"							
Cadmium	ND	0.60	"							
Chromium	ND	10	"							
Cobalt	ND	2.0	"							
Copper	ND	5.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	2.0	"							
Nickel	ND	8.0	"							
Selenium	ND	1.0	"							
Silver	ND	1.0	"							
Гhallium	ND	1.0	"							
Vanadium	ND	2.0	"							



Analyte

Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley CA, 94710

Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas

Spike

Level

Source

Result

%REC

MOF0403 **Reported:** 06/30/05 13:37

RPD

Limit

Notes

%REC

Limits

RPD

### Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Units

Reporting

Limit

Result

53.5

48.4

54.0

1.0

2.0

10

50.0

50.0

50.0

Prepared & Analyzed: 06/22/05   Sansonic   48.3   1.0   ug/Wipe   50.0   97   80-120   Sansonic   49.8   1.0   "   50.0   100   80-120   Sansonic   49.8   41.0   "   50.0   100   80-120   Sansonic   49.8   40.0   "   50.0   104   80-120   Sansonic   49.3   0.60   "   50.0   99   80-120   Sansonic   49.3   0.60   "   50.0   99   80-120   Sansonic   40.0   40.0   50.0   40.0   80-120   Sansonic   40.0   4	rmaryte	resure	Emine	Cinto	Devel	resure	70TCLC	Limits	шь	Diffit	110103
Antimony 48.3 1.0 ug/Wipe 50.0 97 80-120 Arsenic 49.8 1.0 " 50.0 100 80-120 Arsenic 49.8 1.0 " 50.0 100 80-120 Beryllium 52.0 0.20 " 50.0 95 80-120 Beryllium 52.0 0.20 " 50.0 104 80-120 Cadmium 49.3 0.60 " 50.0 108 80-120 Cadmium 54.2 10 " 50.0 107 80-120 Cabhalt 53.4 2.0 " 50.0 107 80-120 Capper 52.5 5.0 " 50.0 107 80-120 Capper 52.5 5.0 " 50.0 107 80-120 Capper 52.4 8.0 " 50.0 107 80-120 Cacle 52.4 8.0 " 50.0 107 80-120 Cacle 52.4 8.0 " 50.0 107 80-120 Cacle 62.4 8.0 " 50.0 107 80-120 Cacle 63.4 1.0 " 50.0 107 80-120 Cacle 75.4 8.0 " 50.0 108 80-120 Cacle 75.4 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	Batch 5F22029 - EPA 3050B / EPA 6020	)									
Arsenic 49.8 1.0 " 50.0 100 80-120   Servicin 47.7 5.0 " 50.0 95 80-120   Servicin 47.7 5.0 " 50.0 95 80-120   Servicin 47.7 5.0 " 50.0 95 80-120   Servicin 49.3 0.60 " 50.0 104 80-120   Servicin 49.3 0.60 " 50.0 108 80-120   Servicin 49.3 0.60 " 50.0 108 80-120   Servicin 49.3 0.60 " 50.0 107 80-120   Servicin 49.4 5.0 " 50.0 105 80-120   Servicin 49.6 2.0 " 50.0 107 80-120   Servicin 49.6 2.0 " 50.0 107 80-120   Servicin 49.6 2.0 " 50.0 105 80-120   Servicin 49.6 2.0 " 50.0 105 80-120   Servicin 49.7 1.0 " 50.0 99 80-120   Servicin 49.7 1.0 " 50.0 105 80-120   Servicin 49.7 1.0 " 50.0 105 80-120   Servicin 49.7 1.0 " 50.0 108 80-120   Servicin 49.7 1.0 " 50.0 108 80-120   Servicin 49.1 1.0 " 50.0 106 80-120   Servicin 49.5 1.0 " 50.0 107 8	Laboratory Control Sample (5F22029-BS1)				Prepared &	k Analyze	1: 06/22/	05			
Barium 47.7 5.0 " 50.0 95 80-120	Antimony	48.3	1.0	ug/Wipe	50.0	-	97	80-120			
Sery lium	Arsenic	49.8	1.0	"	50.0		100	80-120			
Cadmium         49.3         0.60         "         50.0         99         80-120           Chromium         54.2         10         "         50.0         108         80-120           Cobalt         53.4         2.0         "         50.0         107         80-120           Copper         52.5         5.0         "         50.0         107         80-120           Lead         53.4         5.0         "         50.0         107         80-120           Wollybdenum         49.6         2.0         "         50.0         105         80-120           Sickela         52.4         8.0         "         50.0         105         80-120           Sickelanium         49.7         1.0         "         50.0         105         80-120           Sikure         50.6         1.0         "         50.0         101         80-120           Wanadium         48.1         2.0         "         50.0         108         80-120           Zine         53.2         10         "         50.0         10         80-120           Ataminium         49.1         1.0         WWipe         50.0         10	Barium	47.7	5.0	"	50.0		95	80-120			
Chromium	Beryllium	52.0	0.20	"	50.0		104	80-120			
Cobalt         53.4         2.0         " 50.0         107         80-120           Copper         52.5         5.0         " 50.0         105         80-120           Lead         53.4         5.0         " 50.0         107         80-120           Wolybdenum         49.6         2.0         " 50.0         99         80-120           Wickel         52.4         8.0         " 50.0         99         80-120           Selenium         49.7         1.0         " 50.0         101         80-120           Silver         50.6         1.0         " 50.0         108         80-120           Vanadium         48.1         2.0         " 50.0         108         80-120           Vanadium         48.1         2.0         " 50.0         96         80-120           Vanadium         48.1         2.0         " 50.0         96         80-120           Arsenic         53.2         10         " 50.0         96         80-120           Arsenic         50.5         1.0         " 50.0         98         80-120         2         20           Arsenic         50.5         1.0         " 50.0         99         80-120<	Cadmium	49.3	0.60	"	50.0		99	80-120			
Solution	Chromium	54.2	10	"	50.0		108	80-120			
Lead 53.4 5.0 " 50.0 107 80-120	Cobalt	53.4	2.0	"	50.0		107	80-120			
Molybdenum 49.6 2.0 " 50.0 99 80-120	Copper	52.5	5.0	"	50.0		105	80-120			
Nickel 52.4 8.0 " 50.0 105 80-120   Selenium 49.7 1.0 " 50.0 99 80-120   Silver 50.6 1.0 " 50.0 101 80-120   Thallium 53.8 1.0 " 50.0 108 80-120   Vanadium 48.1 2.0 " 50.0 108 80-120   Vanadium 53.2 10 " 50.0 106 80-120   Vanadium 53.2 10 " 50.0 106 80-120   Vanadium 53.2 10 " 50.0 106 80-120   Vanadium 54.1 1.0 ug/Wipe 50.0 98 80-120   Vanadium 49.1 1.0 ug/Wipe 50.0 98 80-120 2 20   Vanesic 50.5 1.0 " 50.0 101 80-120 1 20   Vanadium 47.7 5.0 " 50.0 101 80-120 1 20   Vanadium 49.5 0.60 " 50.0 99 80-120 0 20   Vanadium 55.0 10 " 50.0 104 80-120 0 4 20   Vanadium 65.0 10 " 50.0 104 80-120 0 4 20   Vanadium 65.0 10 " 50.0 100 80-120 0 4 20   Vanadium 65.0 10 " 50.0 100 80-120 0 4 20   Vanadium 65.0 10 " 50.0 100 80-120 0 4 20   Vanadium 65.0 10 " 50.0 107 80-120 0 20   Vanadium 65.0 50.0 100 80-120 1 20   Vanadium 65	Lead	53.4	5.0	"	50.0		107	80-120			
Selenium         49.7         1.0         "         50.0         99         80-120           Silver         50.6         1.0         "         50.0         101         80-120           Fhallium         53.8         1.0         "         50.0         108         80-120           Vanadium         48.1         2.0         "         50.0         96         80-120           Zinc         53.2         10         "         50.0         106         80-120           Laboratory Control Sample Dup (5F22029-BSD1)         Prepared & Analyzed: 06/22/05           Antimony         49.1         1.0         ug/Wipe         50.0         98         80-120         2         20           Arsenic         50.5         1.0         "         50.0         98         80-120         1         20           Beryllium         51.8         0.20         "         50.0         95         80-120         0         20           Cadmium         49.5         0.60         "         50.0         10         80-120         0         20           Chromium         53.0         10         "         50.0         10         80-120         0	Molybdenum	49.6	2.0	"	50.0		99	80-120			
Silver         50.6         1.0         " 50.0         101         80-120           Thallium         53.8         1.0         " 50.0         108         80-120           Vanadium         48.1         2.0         " 50.0         96         80-120           Zinc         53.2         10         " 50.0         106         80-120           Laboratory Control Sample Dup (5F22029-BSD1)         Prepared & Analyzed: 06/22/05           Latimony         49.1         1.0         ug/Wipe         50.0         98         80-120         2         20           Arisenic         50.5         1.0         " 50.0         101         80-120         1         20           Barium         47.7         5.0         " 50.0         104         80-120         0         20           Beryllium         51.8         0.20         " 50.0         104         80-120         0.4         20           Cadmium         49.5         0.60         " 50.0         10         80-120         0.4         20           Chromium         55.0         10         " 50.0         10         80-120         0.2         20           Cobalt         53.5         2.0	Nickel	52.4	8.0	"	50.0		105	80-120			
Thallium	Selenium	49.7	1.0	"	50.0		99	80-120			
Vanadium         48.1         2.0         " 50.0         96 80-120           Zine         53.2         10         " 50.0         106 80-120           Laboratory Control Sample Dup (5F22029-BSD1)           Prepared & Analyzed: 06/22/05           Antimony         49.1         1.0 ug/Wipe         50.0         98 80-120         2         20           Arsenic         50.5         1.0         " 50.0         101 80-120         1         20           Barium         47.7         5.0         " 50.0         95 80-120         0         20           Beryllium         51.8         0.20         " 50.0         104 80-120         0.4         20           Cadmium         49.5         0.60         " 50.0         99 80-120         0.4         20           Chromium         55.0         10         " 50.0         110 80-120         1         20           Cobalt         53.5         2.0         " 50.0         107 80-120         0.2         20           Copper         53.0         5.0         " 50.0         106 80-120         0.9         20           Lead         53.4         5.0         " 50.0         101 80-120         2         20 <td>Silver</td> <td>50.6</td> <td>1.0</td> <td>"</td> <td>50.0</td> <td></td> <td>101</td> <td>80-120</td> <td></td> <td></td> <td></td>	Silver	50.6	1.0	"	50.0		101	80-120			
Zinc         53.2         10         " 50.0         106 80-120           Laboratory Control Sample Dup (5F22029-BSD1)         Prepared & Analyzed: 06/22/05           Antimony         49.1         1.0 ug/Wipe         50.0         98 80-120 2         2 20           Arsenic         50.5         1.0 " 50.0         101 80-120 1         1 20           Baryllium         47.7         5.0 " 50.0         95 80-120 0         0 20           Baryllium         51.8         0.20 " 50.0         104 80-120 0.4         20           Cadmium         49.5         0.60 " 50.0         99 80-120 0.4         20           Chromium         55.0         10 " 50.0         110 80-120 1         20           Cobalt         53.5         2.0 " 50.0         107 80-120 0.2         20           Copper         53.0         50.0 " 50.0         107 80-120 0.9         20           Lead         53.4         5.0 " 50.0         101 80-120 0         2         20           Molybdenum         50.5         2.0 " 50.0         101 80-120 1         2         2           Selenium         49.9         1.0 " 50.0         106 80-120 0.4         2         2	Гhallium	53.8	1.0	"	50.0		108	80-120			
Prepared & Analyzed: 06/22/05   Antimony   49.1   1.0   ug/Wipe   50.0   98   80-120   2   20   20   20   20   20   20	Vanadium	48.1	2.0	"	50.0		96	80-120			
Antimony 49.1 1.0 ug/Wipe 50.0 98 80-120 2 20 Arsenic 50.5 1.0 " 50.0 101 80-120 1 20 Barium 47.7 5.0 " 50.0 95 80-120 0 20 Beryllium 51.8 0.20 " 50.0 104 80-120 0.4 20 Cadmium 49.5 0.60 " 50.0 99 80-120 0.4 20 Chromium 55.0 10 " 50.0 110 80-120 1 20 Cobalt 53.5 2.0 " 50.0 110 80-120 1 20 Copper 53.0 5.0 " 50.0 106 80-120 0.9 20 Lead 53.4 5.0 " 50.0 107 80-120 0.9 20 Molybdenum 50.5 2.0 " 50.0 101 80-120 1 20 Selenium 49.9 1.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 100 80-120 0.4 20	Zinc	53.2	10	"	50.0		106	80-120			
Arsenic 50.5 1.0 " 50.0 101 80-120 1 20 Barium 47.7 5.0 " 50.0 95 80-120 0 20 Beryllium 51.8 0.20 " 50.0 99 80-120 0.4 20 Cadmium 55.0 10 " 50.0 99 80-120 0.4 20 Chromium 55.0 10 " 50.0 110 80-120 1 20 Cobalt 53.5 2.0 " 50.0 107 80-120 0.2 20 Copper 53.0 50.0 " 50.0 106 80-120 0.9 20 Cadd 53.4 5.0 " 50.0 107 80-120 0.9 20 Copper 50.5 2.0 " 50.0 107 80-120 0.9 20 Copper 50.5 2.0 " 50.0 107 80-120 0.9 20 Copper 50.5 2.0 " 50.0 107 80-120 0.9 20 Copper 50.5 2.0 " 50.0 107 80-120 0 20 Copper 50.5 2.0 " 50.0 106 80-120 1 20 Copper 50.5 2.0 " 50.0 106 80-120 1 20 Copper 50.0 106 80-120 0 40 20 Copper 50.0 106 80-120 1 20 Copper 50.0 106 80-120	Laboratory Control Sample Dup (5F22029-E	SD1)			Prepared &	k Analyze	1: 06/22/	05			
Barium       47.7       5.0       "       50.0       95       80-120       0       20         Beryllium       51.8       0.20       "       50.0       104       80-120       0.4       20         Cadmium       49.5       0.60       "       50.0       99       80-120       0.4       20         Chromium       55.0       10       "       50.0       110       80-120       1       20         Cobalt       53.5       2.0       "       50.0       107       80-120       0.2       20         Copper       53.0       5.0       "       50.0       106       80-120       0.9       20         Lead       53.4       5.0       "       50.0       107       80-120       0       20         Molybdenum       50.5       2.0       "       50.0       101       80-120       2       20         Nickel       53.0       8.0       "       50.0       106       80-120       1       20         Selenium       49.9       1.0       "       50.0       100       80-120       0.4       20	Antimony	49.1	1.0	ug/Wipe	50.0		98	80-120	2	20	
Beryllium         51.8         0.20         "         50.0         104         80-120         0.4         20           Cadmium         49.5         0.60         "         50.0         99         80-120         0.4         20           Chromium         55.0         10         "         50.0         110         80-120         1         20           Cobalt         53.5         2.0         "         50.0         107         80-120         0.2         20           Copper         53.0         5.0         "         50.0         106         80-120         0.9         20           Lead         53.4         5.0         "         50.0         107         80-120         0         20           Molybdenum         50.5         2.0         "         50.0         101         80-120         2         20           Nickel         53.0         8.0         "         50.0         106         80-120         1         20           Selenium         49.9         1.0         "         50.0         100         80-120         0.4         20	Arsenic	50.5	1.0	"	50.0		101	80-120	1	20	
Cadmium       49.5       0.60       "       50.0       99       80-120       0.4       20         Chromium       55.0       10       "       50.0       110       80-120       1       20         Cobalt       53.5       2.0       "       50.0       107       80-120       0.2       20         Copper       53.0       5.0       "       50.0       106       80-120       0.9       20         Lead       53.4       5.0       "       50.0       107       80-120       0       20         Molybdenum       50.5       2.0       "       50.0       101       80-120       2       20         Nickel       53.0       8.0       "       50.0       106       80-120       1       20         Selenium       49.9       1.0       "       50.0       100       80-120       0.4       20	Barium	47.7	5.0	"	50.0		95	80-120	0	20	
Chromium         55.0         10         "         50.0         110         80-120         1         20           Cobalt         53.5         2.0         "         50.0         107         80-120         0.2         20           Copper         53.0         5.0         "         50.0         106         80-120         0.9         20           Lead         53.4         5.0         "         50.0         107         80-120         0         20           Molybdenum         50.5         2.0         "         50.0         101         80-120         2         20           Nickel         53.0         8.0         "         50.0         106         80-120         1         20           Selenium         49.9         1.0         "         50.0         100         80-120         0.4         20	Beryllium	51.8		"	50.0		104	80-120	0.4	20	
Cobalt       53.5       2.0       "       50.0       107       80-120       0.2       20         Copper       53.0       5.0       "       50.0       106       80-120       0.9       20         Lead       53.4       5.0       "       50.0       107       80-120       0       20         Molybdenum       50.5       2.0       "       50.0       101       80-120       2       20         Nickel       53.0       8.0       "       50.0       106       80-120       1       20         Selenium       49.9       1.0       "       50.0       100       80-120       0.4       20	Cadmium	49.5	0.60	"	50.0		99	80-120	0.4	20	
Copper       53.0       5.0       "       50.0       106       80-120       0.9       20         Lead       53.4       5.0       "       50.0       107       80-120       0       20         Molybdenum       50.5       2.0       "       50.0       101       80-120       2       20         Nickel       53.0       8.0       "       50.0       106       80-120       1       20         Selenium       49.9       1.0       "       50.0       100       80-120       0.4       20	Chromium	55.0	10	"	50.0		110	80-120	1	20	
Lead 53.4 5.0 " 50.0 107 80-120 0 20 Molybdenum 50.5 2.0 " 50.0 101 80-120 2 20 Nickel 53.0 8.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 100 80-120 0.4 20	Cobalt	53.5	2.0	"	50.0		107	80-120	0.2	20	
Molybdenum       50.5       2.0       "       50.0       101       80-120       2       20         Nickel       53.0       8.0       "       50.0       106       80-120       1       20         Selenium       49.9       1.0       "       50.0       100       80-120       0.4       20	Copper	53.0	5.0	"	50.0		106	80-120	0.9	20	
Nickel 53.0 8.0 " 50.0 106 80-120 1 20 Selenium 49.9 1.0 " 50.0 100 80-120 0.4 20	Lead	53.4	5.0	"	50.0		107	80-120	0	20	
Selenium 49.9 1.0 " 50.0 100 80-120 0.4 20	Molybdenum	50.5	2.0	"	50.0		101	80-120	2	20	
95.5 1.0 30.0 100 00-120 0.4 20	Nickel	53.0	8.0	"	50.0		106	80-120	1	20	
Silver 51.8 1.0 " 50.0 104 80-120 2 20	Selenium	49.9	1.0	"	50.0		100	80-120	0.4	20	
	Silver	51.8	1.0	"	50.0		104	80-120	2	20	

Thallium

Vanadium

Zinc

80-120

80-120

80-120

0.6

0.6

1

20

20

20

107

97

108

RPD



Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOF0403700 Heinz Avenue, Suite 100Project Number:SAU5634Reported:Berkeley CA, 94710Project Manager:Myrto Petreas06/30/05 13:37

### Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Spike

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5F24016 - EPA 7471A / EPA 7471	1A									
Blank (5F24016-BLK1)				Prepared	& Analyz	ed: 06/24/0	05			
Mercury	ND	0.0050	ug/Wipe							
Laboratory Control Sample (5F24016-BS1)				Prepared	& Analyz	ed: 06/24/0	05			
Mercury	0.361	0.0050	ug/Wipe	0.400		90	75-125			
Laboratory Control Sample (5F24016-BS2)				Prepared	& Analyz	ed: 06/24/0	05			
Mercury	0.382	0.0050	ug/Wipe	0.400		96	75-125			

%REC





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F15018 - EPA 3550 Wipe / EPA 8270C

Blank (5F15018-BLK1)				Prepared: 06/15/05 Analyzed: 06/16/05
Acenaphthene	ND	0.17	ug/Wipe	
Acenaphthylene	ND	0.17	"	
Anthracene	ND	0.17	"	
Benzo (a) anthracene	ND	0.17	"	
Benzo (a) pyrene	ND	0.17	"	
Benzo (b) fluoranthene	ND	0.17	"	
Benzo (g,h,i) perylene	ND	0.33	"	
Benzo (k) fluoranthene	ND	0.17	"	
Benzoic acid	ND	0.33	"	
Benzyl alcohol	ND	0.33	"	
Bis(2-chloroethoxy)methane	ND	0.17	"	
Bis(2-chloroethyl)ether	ND	0.33	"	
Bis(2-chloroisopropyl)ether	ND	0.17	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	
4-Bromophenyl phenyl ether	ND	0.17	"	
Butyl benzyl phthalate	ND	0.17	"	
4-Chloroaniline	ND	1.7	"	
2-Chloronaphthalene	ND	0.17	"	
4-Chloro-3-methylphenol	ND	0.17	"	
2-Chlorophenol	ND	0.17	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	
Chrysene	ND	0.17	"	
Dibenz (a,h) anthracene	ND	0.17	"	
Dibenzofuran	ND	0.17	"	
Di-n-butyl phthalate	ND	0.17	"	
1,2-Dichlorobenzene	ND	0.33	"	
1,3-Dichlorobenzene	ND	0.33	"	
1,4-Dichlorobenzene	ND	0.33	"	
3,3´-Dichlorobenzidine	ND	1.7	"	
2,4-Dichlorophenol	ND	0.17	"	
Diethyl phthalate	ND	0.17	"	
2,4-Dimethylphenol	ND	0.33	"	
Dimethyl phthalate	ND	0.17	"	
4,6-Dinitro-2-methylphenol	ND	0.17	"	
2,4-Dinitrophenol	ND	0.33	"	
2,4-Dinitrotoluene	ND	0.17	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 Reported: 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F15018 - EPA 3550 Wipe / EPA 8270C

Blank (5F15018-BLK1)				Prepared: 06/15/05 Analyzed: 06/16/05
2,6-Dinitrotoluene	ND	0.17	ug/Wipe	
Di-n-octyl phthalate	ND	0.33	"	
Fluoranthene	ND	0.17	"	
Fluorene	ND	0.17	"	
Hexachlorobenzene	ND	0.17	"	
Hexachlorobutadiene	ND	0.33	"	
Hexachlorocyclopentadiene	ND	0.33	"	
Hexachloroethane	ND	0.33	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	
Isophorone	ND	0.17	"	
2-Methylnaphthalene	ND	0.17	"	
2-Methylphenol	ND	0.17	"	
4-Methylphenol	ND	0.17	"	
Naphthalene	ND	0.17	"	
2-Nitroaniline	ND	0.33	"	
3-Nitroaniline	ND	3.3	"	
4-Nitroaniline	ND	1.7	"	
Nitrobenzene	ND	0.17	"	
2-Nitrophenol	ND	0.17	"	
4-Nitrophenol	ND	0.33	"	
N-Nitrosodi-n-propylamine	ND	0.17	"	
N-Nitrosodiphenylamine	ND	0.33	"	
Pentachlorophenol	ND	0.33	"	
Phenanthrene	ND	0.17	"	
Phenol	ND	0.17	"	
Pyrene	ND	0.17	"	
1,2,4-Trichlorobenzene	ND	0.33	"	
2,4,5-Trichlorophenol	ND	0.17	"	
2,4,6-Trichlorophenol	ND	0.17	"	
Surrogate: 2-Fluorophenol	3.18		"	3.33 95 25-121
Surrogate: Phenol-d6	3.40		"	3.33 102 24-113
Surrogate: Nitrobenzene-d5	1.43		"	1.67 86 23-120
Surrogate: 2-Fluorobiphenyl	1.64		"	1.67 98 30-115
Surrogate: 2,4,6-Tribromophenol	2.85		"	3.33 86 19-122
Surrogate: p-Terphenyl-d14	1.55		"	1.67 93 18-137

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F15018 - EPA 3550 Wipe / EPA 8270C

<b>Laboratory Control Sample (5F15018-BS1)</b>	)			Prepared: 06/	15/05 Analyzed	: 06/16/05	
Acenaphthene	1.67	0.17	ug/Wipe	1.67	100	31-137	
Acenaphthylene	1.70	0.17	"	1.67	102	0-200	
Anthracene	1.69	0.17	"	1.67	101	0-200	
Benzo (a) anthracene	1.67	0.17	"	1.67	100	0-200	
Benzo (a) pyrene	1.64	0.17	"	1.67	98	0-200	
Benzo (b) fluoranthene	1.52	0.17	"	1.67	91	0-200	
Benzo (g,h,i) perylene	1.82	0.33	"	1.67	109	0-200	
Benzo (k) fluoranthene	1.57	0.17	"	1.67	94	0-200	
Benzyl alcohol	1.59	0.33	"	1.67	95	0-200	
Bis(2-chloroethoxy)methane	1.70	0.17	"	1.67	102	0-200	
Bis(2-chloroethyl)ether	1.55	0.33	"	1.67	93	0-200	
Bis(2-chloroisopropyl)ether	1.55	0.17	"	1.67	93	0-200	
Bis(2-ethylhexyl)phthalate	1.73	0.33	"	1.67	104	0-200	
4-Bromophenyl phenyl ether	1.70	0.17	"	1.67	102	0-200	
Butyl benzyl phthalate	1.78	0.17	"	1.67	107	0-200	
4-Chloroaniline	1.23	1.7	"	1.67	74	0-200	
2-Chloronaphthalene	1.58	0.17	"	1.67	95	0-200	
4-Chloro-3-methylphenol	1.72	0.17	"	1.67	103	26-103	
2-Chlorophenol	1.55	0.17	"	1.67	93	25-102	
4-Chlorophenyl phenyl ether	1.61	0.33	"	1.67	96	0-200	
Chrysene	1.73	0.17	"	1.67	104	0-200	
Dibenz (a,h) anthracene	1.91	0.17	"	1.67	114	0-200	
Dibenzofuran	1.64	0.17	"	1.67	98	0-200	
Di-n-butyl phthalate	1.83	0.17	"	1.67	110	0-200	
1,2-Dichlorobenzene	1.30	0.33	"	1.67	78	0-200	
1,3-Dichlorobenzene	1.26	0.33	"	1.67	75	0-200	
1,4-Dichlorobenzene	1.30	0.33	"	1.67	78	28-104	
2,4-Dichlorophenol	1.61	0.17	"	1.67	96	0-200	
Diethyl phthalate	1.64	0.17	"	1.67	98	0-200	
2,4-Dimethylphenol	1.32	0.33	"	1.67	79	0-200	
Dimethyl phthalate	1.63	0.17	"	1.67	98	0-200	
4,6-Dinitro-2-methylphenol	1.62	0.17	"	1.67	97	0-200	
2,4-Dinitrophenol	1.41	0.33	"	1.67	84	0-200	
2,4-Dinitrotoluene	1.61	0.17	"	1.67	96	28-89	QL0
2,6-Dinitrotoluene	1.82	0.17	"	1.67	109	0-200	
Di-n-octyl phthalate	1.53	0.33	"	1.67	92	0-200	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F15018 - EPA 3550 Wipe / EPA 8270C

<b>Laboratory Control Sample (5F15018-BS1)</b>				Prepared: 0	6/15/05 Analyzed:	06/16/05	
Fluoranthene	1.68	0.17	ug/Wipe	1.67	101	0-200	
Fluorene	1.69	0.17	"	1.67	101	0-200	
Hexachlorobenzene	1.66	0.17	"	1.67	99	0-200	
Hexachlorobutadiene	1.43	0.33	"	1.67	86	0-200	
Hexachlorocyclopentadiene	1.69	0.33	"	1.67	101	0-200	
Hexachloroethane	1.28	0.33	"	1.67	77	0-200	
Indeno (1,2,3-cd) pyrene	1.92	0.33	"	1.67	115	0-200	
Isophorone	1.46	0.17	"	1.67	87	0-200	
2-Methylnaphthalene	1.49	0.17	"	1.67	89	0-200	
2-Methylphenol	1.45	0.17	"	1.67	87	0-200	
4-Methylphenol	1.47	0.17	"	0.833	176	0-200	
Naphthalene	1.52	0.17	"	1.67	91	0-200	
2-Nitroaniline	1.65	0.33	"	1.67	99	0-200	
3-Nitroaniline	1.43	3.3	"	1.67	86	0-200	
4-Nitroaniline	1.49	1.7	"	1.67	89	0-200	
Nitrobenzene	1.50	0.17	"	1.67	90	0-200	
2-Nitrophenol	1.58	0.17	"	1.67	95	0-200	
4-Nitrophenol	1.57	0.33	"	1.67	94	11-114	
N-Nitrosodi-n-propylamine	1.44	0.17	"	1.67	86	41-126	
N-Nitrosodiphenylamine	2.07	0.33	"	1.67	124	0-200	
Pentachlorophenol	1.56	0.33	"	1.67	93	17-109	
Phenanthrene	1.73	0.17	"	1.67	104	0-200	
Phenol	1.68	0.17	"	1.67	101	26-90	QL06
Pyrene	1.84	0.17	"	1.67	110	35-142	
1,2,4-Trichlorobenzene	1.40	0.33	"	1.67	84	38-107	
2,4,5-Trichlorophenol	1.70	0.17	"	1.67	102	0-200	
2,4,6-Trichlorophenol	1.67	0.17	"	1.67	100	0-200	
Surrogate: 2-Fluorophenol	3.03		"	3.33	91	25-121	
Surrogate: Phenol-d6	3.21		"	3.33	96	24-113	
Surrogate: Nitrobenzene-d5	1.50		"	1.67	90	23-120	
Surrogate: 2-Fluorobiphenyl	1.52		"	1.67	91	30-115	
Surrogate: 2,4,6-Tribromophenol	3.29		"	3.33	99	19-122	
Surrogate: p-Terphenyl-d14	1.60		"	1.67	96	18-137	





Batch 5F15018 - EPA 3550 Wipe / EPA 8270C Laboratory Control Sample Dup (5F15018-BSD1)

1.73

2.06

1.60

1.83

1.38

1.39

1.39

1.65

1.64

1.11

1.63

1.65

1.44

1.60

1.82

1.65

Acenaphthene

Dibenz (a,h) anthracene

Di-n-butyl phthalate

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

2,4-Dichlorophenol

2,4-Dimethylphenol

Dimethyl phthalate

2,4-Dinitrophenol

2.4-Dinitrotoluene

2,6-Dinitrotoluene

Di-n-octyl phthalate

4,6-Dinitro-2-methylphenol

Diethyl phthalate

Dibenzofuran

Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

1.67

Prepared: 06/15/05 Analyzed: 06/16/05

104

123

96

110

83

83

83

99

98

66

98

99

86

96

109

99

0-200

0-200

0-200

0-200

0-200

28-104

0-200

0-200

0-200

0-200

0-200

0-200

28-89

0-200

0-200

8

2

0

6

10

7

2

0

17

0

2

2

0.6

0

8

31-137

MOF0403 **Reported:** 06/30/05 13:37

40

200

200

200

200

200

40

200

200

200

200

200

200

40

200

200

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

ug/Wipe

0.17

0.17

0.17

0.17

0.33

0.33

0.33

0.17

0.17

0.33

0.17

0.17

0.33

0.17

0.17

0.33

Acenaphthylene	1.69	0.17	"	1.67	101	0-200	0.6	200	
Anthracene	1.70	0.17	"	1.67	102	0-200	0.6	200	
Benzo (a) anthracene	1.71	0.17	"	1.67	102	0-200	2	200	
Benzo (a) pyrene	1.67	0.17	"	1.67	100	0-200	2	200	
Benzo (b) fluoranthene	1.60	0.17	"	1.67	96	0-200	5	200	
Benzo (g,h,i) perylene	1.97	0.33	"	1.67	118	0-200	8	200	
Benzo (k) fluoranthene	1.64	0.17	"	1.67	98	0-200	4	200	
Benzyl alcohol	1.66	0.33	"	1.67	99	0-200	4	200	
Bis(2-chloroethoxy)methane	1.74	0.17	"	1.67	104	0-200	2	200	
Bis(2-chloroethyl)ether	1.62	0.33	"	1.67	97	0-200	4	200	
Bis(2-chloroisopropyl)ether	1.64	0.17	"	1.67	98	0-200	6	200	
Bis(2-ethylhexyl)phthalate	1.75	0.33	"	1.67	105	0-200	1	200	
4-Bromophenyl phenyl ether	1.75	0.17	"	1.67	105	0-200	3	200	
Butyl benzyl phthalate	1.82	0.17	"	1.67	109	0-200	2	200	
4-Chloroaniline	1.15	1.7	"	1.67	69	0-200	7	200	
2-Chloronaphthalene	1.63	0.17	"	1.67	98	0-200	3	200	
4-Chloro-3-methylphenol	1.75	0.17	"	1.67	105	26-103	2	40	QL06
2-Chlorophenol	1.63	0.17	"	1.67	98	25-102	5	40	
4-Chlorophenyl phenyl ether	1.62	0.33	"	1.67	97	0-200	0.6	200	
Chrysene	1.70	0.17	"	1.67	102	0-200	2	200	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

QL06





Project:OEHHA Playground Study Project Number:SAU5634 Project Manager:Myrto Petreas MOF0403 **Reported:** 06/30/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

<b>Laboratory Control Sample Dup (5F)</b>	15018-BSD1)			Prepared: 06/1	5/05 Analyzed	1: 06/16/05			
Fluoranthene	1.74	0.17	ug/Wipe	1.67	104	0-200	4	200	
Fluorene	1.67	0.17	"	1.67	100	0-200	1	200	
Hexachlorobenzene	1.69	0.17	"	1.67	101	0-200	2	200	
Hexachlorobutadiene	1.48	0.33	"	1.67	89	0-200	3	200	
Hexachlorocyclopentadiene	1.71	0.33	"	1.67	102	0-200	1	200	
Hexachloroethane	1.41	0.33	"	1.67	84	0-200	10	200	
Indeno (1,2,3-cd) pyrene	2.04	0.33	"	1.67	122	0-200	6	200	
Isophorone	1.53	0.17	"	1.67	92	0-200	5	200	
2-Methylnaphthalene	1.54	0.17	"	1.67	92	0-200	3	200	
2-Methylphenol	1.45	0.17	"	1.67	87	0-200	0	200	
4-Methylphenol	1.48	0.17	"	0.833	178	0-200	0.7	200	
Naphthalene	1.57	0.17	"	1.67	94	0-200	3	200	
2-Nitroaniline	1.70	0.33	"	1.67	102	0-200	3	200	
3-Nitroaniline	1.26	3.3	"	1.67	75	0-200	13	200	
4-Nitroaniline	1.35	1.7	"	1.67	81	0-200	10	200	
Nitrobenzene	1.57	0.17	"	1.67	94	0-200	5	200	
2-Nitrophenol	1.65	0.17	"	1.67	99	0-200	4	200	
4-Nitrophenol	1.59	0.33	"	1.67	95	11-114	1	40	
N-Nitrosodi-n-propylamine	1.52	0.17	"	1.67	91	41-126	5	40	
N-Nitrosodiphenylamine	2.07	0.33	"	1.67	124	0-200	0	200	
Pentachlorophenol	1.51	0.33	"	1.67	90	17-109	3	40	
Phenanthrene	1.76	0.17	"	1.67	105	0-200	2	200	
Phenol	1.74	0.17	"	1.67	104	26-90	4	40	QL06
Pyrene	1.81	0.17	"	1.67	108	35-142	2	40	
1,2,4-Trichlorobenzene	1.47	0.33	"	1.67	88	38-107	5	40	
2,4,5-Trichlorophenol	1.73	0.17	"	1.67	104	0-200	2	200	
2,4,6-Trichlorophenol	1.72	0.17	"	1.67	103	0-200	3	200	
Surrogate: 2-Fluorophenol	3.13		"	3.33	94	25-121			
Surrogate: Phenol-d6	3.33		"	3.33	100	24-113			
Surrogate: Nitrobenzene-d5	1.57		"	1.67	94	23-120			
Surrogate: 2-Fluorobiphenyl	1.58		"	1.67	95	30-115			
Surrogate: 2,4,6-Tribromophenol	3.29		"	3.33	99	19-122			
Surrogate: p-Terphenyl-d14	1.62		"	1.67	97	18-137			



Project:OEHHA Playground Study
Project Number:SAU5634
Project Manager:Myrto Petreas

MOF0403 Reported: 06/30/05 13:37

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control Sequoia Analytical - Petaluma

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 5060028 - EPA 3580A	. Waste Dil /	GCMS-SIM
---------------------------	---------------	----------

Blank (5060028-BLK1)				Prepared & An	alyzed: 06/16/	05	
Naphthalene	ND	810	ug/Wipe				
Acenaphthylene	ND	810	"				
Acenaphthene	ND	810	"				
Fluorene	ND	810	"				
Phenanthrene	ND	810	"				
Anthracene	ND	810	"				
Fluoranthene	ND	810	"				
Pyrene	ND	810	"				
Benzo (a) anthracene	ND	810	"				
Chrysene	ND	810	"				
Benzo (b+k) fluoranthene (total)	ND	1600	"				
Benzo (b) fluoranthene	ND	810	"				
Benzo (k) fluoranthene	ND	810	"				
Benzo (a) pyrene	ND	810	"				
Indeno (1,2,3-cd) pyrene	ND	810	"				
Benzo (g,h,i) perylene	ND	810	"				
Dibenz (a,h) anthracene	ND	810	"				
Surrogate: Nitrobenzene-d5	318		"	200	159	50-150	S01
Surrogate: 2-Fluorobiphenyl	314		"	200	157	50-150	S01
Surrogate: Terphenyl-d14	327		"	200	164	50-150	S01





Dept. of Toxic Substances Contol-Berkeley	Project:OEHHA Playground Study	MOF0403
700 Heinz Avenue, Suite 100	Project Number:SAU5634	Reported:
Berkeley CA, 94710	Project Manager:Myrto Petreas	06/30/05 13:37

### **Notes and Definitions**

S01 The surrogate recovery was above control limits.

QL06 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not

detected, data not impacted.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

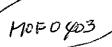
NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

## California Department of Toxic Substances Control

Hazardous Materials Laboratory
700 Heinz Avenue, Suite#150, Berkeley, CA 94710



### SAMPLE / SAMPLE EXTRACT TRANSPORT CUSTODY

Receiving Lab / S	Section: <u>Segu</u> n Site: <u>OEH</u> +	oia Anal	ytical 1	ab	
Sample Collectio	n Site: OEH+	1A Play	ground S	tudy	
HML # or Collector's #	Sample Type *	Analysis Requested	Location of Sample (s)	Remarks	
AtoL	Polyester inpr-wetted	SAR			
		۳.			
		· · · · · · · · · · · · · · · · · · ·			,
					·
• OSC = origin D = acid dige	nal sample container; Seest; <b>T</b> = TCLP extract.	S = split sample; A =	Aliquot; <b>C</b> = Citrate V	VET; E = Extract;	
Release for transpo	ort by: Me	1 Chan	Time /	Date <u>06-08</u> -05	5 30
Transported to: S By: _	sequoia Lab/ GC/MS	S/ Org sec / Inorg	sec/ Fed Ex / Othe	rs   Date <u>47/6</u> 5 150	00
Received by:			Time	/ Date	
Returned to HML	by:		Time	/Date	

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

RECORD OF RESOLUTION	POI TION	שת חב בנ	מבנט!	ATTACH	ANAGER AND		ED. CONTA	*IF CIRCI	*IE CIBCLED CONTACT DEPOLECT M	
			100							oblem COC
									ption (if any): METALS / DFF ON ICE	eption (if any): MET
									requiring thermal pres.)	eptance range for samples requiring thermal pres.)
				•	•	,			Yes/ No**	Is temp 4 +/-2°C?
						`			202	Temp Rec. at Lab:
									Yes/No>	(circle which, if yes)
									nk Received?	3. Trip Blank / Temp Blank Received?
									<b>√€</b> s / No*	used?
	٠								,	Proper Preservatives
						7			YES/ No*	received?
						(				11. Adequate sample volume
					//				YesV No*	hold time?
					1)					0. Sample received within
					$\times$	. /			Yeg// No*	agree?
			F						ample labels	traffic reports and sample labels
		\			<b>-</b>				chain-of-custody,	Does information on chain-of-custody,
			Ž	1					Leaking*	
		` (	\						futaet / Broken* /	8. Sample Condition:
		, ,							on Chain-of-Custody	
			` -						Listed / Not Listed	7. Sample IDs:
	>								Pkesent / Absent	6. Sample Labels:
									(	5. Airbill #:
									Present / Absent)	
	V	J	J		. J	11	7	oh	Airbill / Sticker	4. Airbill:
						(† l		<i>b</i> (	Present / Abaery	Packing List:
						9		64	(	<ol><li>Traffic Reports or</li></ol>
					•	٥		\$	Present / Absent*	2. Chain-of-Custody
	. 4			<u></u> ,	- 1	3		ما	Intact / Broken*	•
	1-0/4/0	Wigg.	1		(bas :1	Α.	4	6)	Present / Absent	1. Custody Seal(s)
· REMARKS: CONDITION (ETC.)	DATE SAMPLED	SAMPLE MATRIX	, hH	PRESERV ATIVE	CONTAINER DESCRIPTION	CLIENT ID D	DASH #	LAB L	CIRCLE THE APPROPRIATE RESPONSE	CIRCLE THE APPRO
(For clients requiring preservation checks at receipt, document here	checks at recu	eservation	uiring pr	clients req	(For				***	
TER YES/NO	WASTE WATER		i	20.5	6-12	DATE LOGGED IN:	DATE		Morogos	WORKONDER:
WATER YES/NO	DRINKING WATER	•	i		1845	TIME REC'D AT LAB: _	TIME		JAN.	REC. BY (PRINT)
For Regulatory Purposes?	For Regulat		1		6/8/4	DATE REC'D AT LAB:_	DATE		1611	CLIENT NAME:
,			,	+	1111			,	New /	

(06/07/04)

Page \_\_



2 August, 2005

Myrto Petreas Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley, CA 94710

RE: OEHHA Playground Study

Grever aller

Work Order: MOF0623

Enclosed are the results of analyses for samples received by the laboratory on 06/16/05 19:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen Project Manager

CA ELAP Certificate #1210





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A	MOF0623-01	Wipe	06/15/05 00:00	06/16/05 19:20
В	MOF0623-02	Wipe	06/15/05 00:00	06/16/05 19:20
C	MOF0623-03	Wipe	06/15/05 00:00	06/16/05 19:20
D	MOF0623-04	Wipe	06/15/05 00:00	06/16/05 19:20
E	MOF0623-05	Wipe	06/15/05 00:00	06/16/05 19:20
F	MOF0623-06	Wipe	06/15/05 00:00	06/16/05 19:20
G	MOF0623-07	Wipe	06/15/05 00:00	06/16/05 19:20
Н	MOF0623-08	Wipe	06/15/05 00:00	06/16/05 19:20
I	MOF0623-09	Wipe	06/15/05 00:00	06/16/05 19:20
J	MOF0623-10	Wipe	06/15/05 00:00	06/16/05 19:20
K	MOF0623-11	Wipe	06/15/05 00:00	06/16/05 19:20
L	MOF0623-12	Wipe	06/15/05 00:00	06/16/05 19:20





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

### Metals Scan by ICP Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A (MOF0623-01) Wipe	Sampled: 06/15/05 00:00	Received: 06/10	6/05 19:20						
Silver	ND	25	ug/Wipe	1	5F27021	06/27/05	06/28/05	ICP Scan	
Antimony	ND	250	"	"	"	"	"	"	
Sodium	ND	600	"	"	"	"	"	"	
Arsenic	ND	250	"	"	"	"	"	"	
Barium	ND	250	"	"	"	"	"	"	
Beryllium	ND	10	"	"	"	"	"	"	
Calcium	1600	600	"	"	"	"	"	"	
Cadmium	ND	10	"	"	"	"	"	"	
Cobalt	ND	25	"	"	"	"	"	"	
Copper	ND	200	"	"	"	"	"	"	
Chromium	ND	250	"	"	"	"	"	"	
Iron	ND	500	"	"	"	"	"	"	
Lead	ND	250	"	"	"	"	"	"	
Manganese	ND	500	"	"	"	"	"	"	
Molybdenum	ND	50	"	"	"	"	"	"	
Nickel	ND	250	"	"	"	"	"	"	
Potassium	ND	1200	"	"	"	"	"	"	
Selenium	ND	500	"	"	"	"	"	"	
Thallium	ND	250	"	"	"	"	"	"	
Vanadium	ND	250	"	"	"	"	"	"	
Zinc	ND	250	"	"	"	"	"	"	
<b>B</b> (MOF0623-02) Wipe	Sampled: 06/15/05 00:00	Received: 06/10	6/05 19:20						
Silver	ND	25	ug/Wipe	1	5F27021	06/27/05	06/28/05	ICP Scan	
Antimony	ND	250	"	"	"	"	"	"	
Sodium	ND	600	"	"	"	"	"	"	
Arsenic	ND	250	"	"	"	"	"	"	
Barium	ND	250	"	"	"	"	"	"	
Beryllium	ND	10	"	"	"	"	"	"	
Calcium	2700	600	"	"	"	"	"	"	
Cadmium	ND	10	"	"	"	"	"	"	
Cobalt	ND	25	"	"	"	"	"	"	
Copper	ND	200	"	"	"	"	"	"	
Chromium	ND	250	"	"	"	"	"	"	
Iron	ND	500	"	"	"	"	"	"	
Lead	ND	250	"	"	"	"	"	"	
Manganese	ND	500	"	"	"	"	"	"	
Molybdenum	ND	50	"	"	"	"	"	"	
Nickel	ND	250	"	"	"	"	"	n .	
Potassium	ND	1200	"	"	"	"	06/28/05	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

### Metals Scan by ICP Sequoia Analytical - Morgan Hill

		sequoia i in	ary treat	111015					
Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B (MOF0623-02) Wipe	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Selenium	NE	500	ug/Wipe	1	5F27021	06/27/05	06/28/05	ICP Scan	
Thallium	NE	250	"	"	"	"	"	"	
Vanadium	NE	250	"	"	"	"	"	"	
Zinc	NI	250	"	"	"	"	"	"	
C (MOF0623-03) Wipe	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Silver	NI	25	ug/Wipe	1	5F27021	06/27/05	06/28/05	ICP Scan	
Antimony	NI	250	"	"	"	"	"	"	
Sodium	600	600	"	"	"	"	"	"	
Arsenic	NI	250	"	"	"	"	"	"	
Barium	NI	250	"	"	"	"	"	"	
Beryllium	NE	10	"	"	"	"	"	"	
Calcium	2700	600	"	"	"	"	"	"	
Cadmium	NI	10	"	"	"	"	"	"	
Cobalt	NI	25	"	"	"	"	"	"	
Copper	NI	200	"	"	"	"	"	"	
Chromium	NI	250	"	"	"	"	"	"	
Iron	1000	500	"	"	"	"	"	"	
Lead	NE		"	"	"	"	"	"	
Manganese	NE	500	"	"	"	"	"	"	
Molybdenum	NI	50	"	"	"	"	"	"	
Nickel	NE	250	"	"	"	"	"	"	
Potassium	NI		"	"	"	"	"	"	
Selenium	NE		"	"	"	"	"	"	
Thallium	NE		"	"	"	"	"	"	
Vanadium	NE	250	"	"	"	"	"	"	
Zinc	NI	250	"	"	"	"	"	"	



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

### Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A (MOF0623-01) Wipe	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Antimony	120		ug/Wipe	20	5G05011	06/27/05	07/20/05	EPA 6020	
Arsenic	NI		"	"	"	"	"	"	
Barium	5.9		"	"	"	"	"	"	
Beryllium	NI		"	"	"	"	"	"	
Cadmium	NI		"	"	"	"	"	"	
Chromium	NE	10	"	"	"	"	"	"	
Cobalt	NE	2.0	"	"	"	"	"	"	
Copper	NE	5.0	"	"	"	"	"	"	
Lead	NE	5.0	"	"	"	"	"	"	
Molybdenum	NI	2.0	"	"	"	"	"	"	
Nickel	NI	8.0	"	"	"	"	"	"	
Selenium	NI	1.0	"	"	"	"	"	"	
Silver	NI	1.0	"	"	"	"	"	"	
Thallium	NI	1.0	"	"	"	"	"	"	
Vanadium	NI	2.0	"	"	"	"	"	"	
Zinc	70	10	"	"	"	"	"	"	
B (MOF0623-02) Wipe	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Antimony	190	1.0	ug/Wipe	20	5G05011	06/27/05	07/20/05	EPA 6020	
Arsenic	NI	1.0	"	"	"	"	"	"	
Barium	7.0	5.0	"	"	"	"	"	"	
Beryllium	NI	0.20	"	"	"	"	"	"	
Cadmium	NI	0.60	"	"	"	"	"	"	
Chromium	NI	10	"	"	"	"	"	"	
Cobalt	NI	2.0	"	"	"	"	"	"	
Copper	NI	5.0	"	"	"	"	"	"	
Lead	NI	5.0	"	"	"	"	"	"	
Molybdenum	NI	2.0	"	"	"	"	"	"	
Nickel	NI	8.0	"	"	"	"	"	"	
Selenium	NI		"	"	"	"	"	"	
Silver	NI		"	"	"	"	"	"	
Thallium	NI		"	"	"	"	"	"	
Vanadium	NI		"	"	"	"	"	"	
Zinc	75		"	"	"	"	"	"	



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

### Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C (MOF0623-03) Wipe	Sampled: 06/15/05 00:00	Received: 06/10	6/05 19:20						
Antimony	220	1.0	ug/Wipe	20	5G05011	06/27/05	07/20/05	EPA 6020	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	19	5.0	"	"	"	"	"	"	
Beryllium	ND	0.20	"	"	"	"	"	"	
Cadmium	ND	0.60	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Copper	6.3	5.0	"	"	"	"	"	"	
Lead	ND	5.0	"	"	"	"	"	"	
Molybdenum	ND	2.0	"	"	"	"	"	"	
Nickel	ND	8.0	"	"	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	
Zinc	66	10	"	"	"	"	"	"	
D (MOF0623-04) Wipe	Sampled: 06/15/05 00:00	Received: 06/10	6/05 19:20						
Mercury	ND	0.0050	ug/Wipe	1	5F24016	06/24/05	06/24/05	EPA 7471A	
E (MOF0623-05) Wipe	Sampled: 06/15/05 00:00	Received: 06/10	6/05 19:20						
Mercury	ND	0.0050	ug/Wipe	1	5F24016	06/24/05	06/24/05	EPA 7471A	
F (MOF0623-06) Wipe	Sampled: 06/15/05 00:00	Received: 06/16	5/05 19:20						
Mercury	0.012	0.0050	ug/Wipe	1	5F24016	06/24/05	06/24/05	EPA 7471A	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Acenaphthene	ND	5.0	ug/Wipe	1	5F21026	06/21/05	06/22/05	EPA 8270C	
Acenaphthylene	ND		"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methan	ne ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ethe	er ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate			"	"	"	"	"	"	
4-Bromophenyl phenyl eth		5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl eth	ner ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND		"	"	"	"	"	"	
2,4-Dichlorophenol	ND		"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND		"	"	"	"	"	"	
Dimethyl phthalate	ND		"	"	"	"	"	"	
4,6-Dinitro-2-methylpheno			"	"	"	"	"	"	
2,4-Dinitrophenol	ND		"	"	"	"	"	"	
2,4-Dinitrotoluene	ND		"	"	"	"	"	"	
2,6-Dinitrotoluene	ND		"	"	"	"	"	"	
Di-n-octyl phthalate	ND		"	"	"	"	"	"	
Fluoranthene	ND		"	"	"	"	"	"	
Fluorene	ND		"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G (MOF0623-07) Wipe	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Hexachlorobenzene	ND		ug/Wipe	1	5F21026	06/21/05	06/22/05	EPA 8270C	
Hexachlorobutadiene	ND		"	"	"	"	"	"	
Hexachlorocyclopentadier			"	"	"	"	"	"	
Hexachloroethane	ND		"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND		"	"	"	"	"	"	
2-Methylphenol	ND		"	"	"	"	"	"	
4-Methylphenol	ND		"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND		"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamin	ne ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropheno	ol	74 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		87 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-a	15	75 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobipher	nyl	74 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromo	•	81 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-d	=	67 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
				וועווטוו	Datcii	гтератец	Anaryzeu	Menion	notes
H (MOF0623-08) Wipe			6/05 19:20						
Acenaphthene	ND		ug/Wipe	1	5F21026	06/21/05	06/22/05	EPA 8270C	
Acenaphthylene	ND		"	"	"	"	"	"	
Anthracene	ND		"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)metha	ne ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ethe	er ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate			"	"	"	"	"	"	
4-Bromophenyl phenyl eth		5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND		"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		"	"	"	"	"	"	
2-Chlorophenol	ND		"	"	"	"	"	"	
4-Chlorophenyl phenyl eth			"	"	"	"	"	"	
Chrysene	ND ND		"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		"	"	"	"	"	"	
Dibenzofuran	ND		"	"	"	"	"	"	
Di-n-butyl phthalate	ND		"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		"	"	"	"	"	"	
1,4-Dichlorobenzene	ND ND		"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND ND		"	"	"	"	"	"	
2,4-Dichlorophenol	ND ND		"	,,	"	"	,,	"	
Diethyl phthalate	ND ND		,,	,,	"	"	"	"	
2,4-Dimethylphenol	ND ND		,,	"	"	"	"	"	
Dimethyl phthalate	ND ND		,,	"	"	"	"	"	
4,6-Dinitro-2-methylpheno			"	,,	"	"	"	"	
2,4-Dinitrophenol	ND ND		"	,,	"	"	"	"	
2,4-Dinitrophenol 2,4-Dinitrotoluene	ND ND		"	,,	"	"	"	"	
<i>'</i>			,,	,,	"	"	,,	,,	
2,6-Dinitrotoluene	ND ND		,,	,,	"	"	,,	,	
Di-n-octyl phthalate	ND ND		,,	,,	"	"	,,	"	
Fluoranthene	ND		"		"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H (MOF0623-08) Wipe	Sampled: 06/15/05 00:00	Received: 06/1	6/05 19:20						
Hexachlorobenzene	ND		ug/Wipe	1	5F21026	06/21/05	06/22/05	EPA 8270C	
Hexachlorobutadiene	ND		"	"	"	"	"	"	
Hexachlorocyclopentadien			"	"	"	"	"	"	
Hexachloroethane	ND		"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND		"	"	"	"	"	"	
2-Methylphenol	ND		"	"	"	"	"	"	
4-Methylphenol	ND		"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND		"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamin	ie ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropheno	ol .	78 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		95 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-a	15	75 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobipher	nyl	70 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromo		88 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-di	14	76 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Applyto	Dagult	Reporting	Unita	Dilution	Dotah	Dropored	Analyzad	Mathad	Not-
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
<u>I (MOF0623-09) Wipe</u> Sampled: 06/15/05 0	0:00 R	eceived: 06/16	/05 19:20						
Acenaphthene	ND	5.0	ug/Wipe	1	5F21026	06/21/05	06/22/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	50	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I (MOF0623-09) Wipe	Sampled: 06/15/05 00:00 F	Received: 06/16	/05 19:20						
Hexachlorobenzene	ND	5.0	ug/Wipe	1	5F21026	06/21/05	06/22/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadio		10	"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene		10	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylam		5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine		10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropher	nol	73 %	25-	121	"	"	"	"	
Surrogate: Phenol-d6		86 %	24	113	"	"	"	"	
Surrogate: Nitrobenzene	-d5	71 %	23	120	"	"	"	"	
Surrogate: 2-Fluorobiph	enyl	74 %	30-	115	"	"	"	"	
Surrogate: 2,4,6-Tribron	nophenol	82 %	19-	122	"	"	"	"	
Surrogate: p-Terphenyl-	d14	72 %	18-	137	"	"	"	"	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

Sequoia Analyticai - I etaiuma													
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes				
J (MOF0623-10) Wipe Sampled: 06/3	15/05 00:00 Rece	ived: 06/16	6/05 19:20										
Naphthalene	ND	530	ug/Wipe	1	5060031	06/21/05	06/22/05	GCMS-SIM					
Acenaphthylene	ND	530	"	"	"	"	"	"					
Acenaphthene	ND	530	"	"	"	"	"	"					
Fluorene	ND	530	"	"	"	"	"	"					
Phenanthrene	ND	530	"	"	"	"	"	"					
Anthracene	ND	530	"	"	"	"	"	"					
Fluoranthene	ND	530	"	"	"	"	"	n .					
Pyrene	ND	530	"	"	"	"	"	n .					
Benzo (a) anthracene	ND	530	"	"	"	"	"	n .					
Chrysene	ND	530	"	"	"	"	"	n .					
Benzo (b+k) fluoranthene (total)	ND	1100	"	"	"	"	"	n .					
Benzo (b) fluoranthene	ND	530	"	"	"	"	"	n .					
Benzo (k) fluoranthene	ND	530	"	"	"	"	"	n .					
Benzo (a) pyrene	ND	530	"	"	"	"	"	n .					
Indeno (1,2,3-cd) pyrene	ND	530	"	"	"	"	"	n .					
Benzo (g,h,i) perylene	ND	530	"	"	"	"	"	"					
Dibenz (a,h) anthracene	ND	530	"	"	"	"	"	"					
Surrogate: Nitrobenzene-d5		75 %	30-1	101	"	"	"	n					
Surrogate: 2-Fluorobiphenyl		83 %	21-1	111	"	"	"	"					
Surrogate: Terphenyl-d14		80 %	38-1	123	"	"	"	"					
K (MOF0623-11) Wipe Sampled: 06/	15/05 00:00 Rece	eived: 06/1	6/05 19:20										
Naphthalene	ND	530	ug/Wipe	1	5060031	06/21/05	06/22/05	GCMS-SIM					
Acenaphthylene	ND	530	"	"	"	"	"	"					
Acenaphthene	ND	530	"	"	"	"	"	n .					
Fluorene	ND	530	"	"	"	"	"	n .					
Phenanthrene	ND	530	"	"	"	"	"	n .					
Anthracene	ND	530	"	"	"	"	"	"					
Fluoranthene	ND	530	"	"	"	"	"	n .					
Pyrene	ND	530	"	"	"	"	"	n .					
Benzo (a) anthracene	ND	530	"	"	"	"	"	n .					
Chrysene	ND	530	"	"	"	"	"	n .					
Benzo (b+k) fluoranthene (total)	ND	1100	"	"	"	"	"	"					
Benzo (b) fluoranthene	ND	530	"	"	"	"	"	"					
Benzo (k) fluoranthene	ND	530	"	"	"	"	"	"					
Benzo (a) pyrene	ND	530	"	"	"	"	"	"					
Indeno (1,2,3-cd) pyrene	ND	530	"	"	"	"	"	m .					
Benzo (g,h,i) perylene	ND	530	"	"	"	"	"	m .					
Dibenz (a,h) anthracene	ND	530	"	"	"	"	"	n .					

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K (MOF0623-11) Wipe Sampled: 06/1	5/05 00:00 Rece	ived: 06/10	6/05 19:20						
Surrogate: Nitrobenzene-d5		81 %	30-10	)]	5060031	06/21/05	06/22/05	GCMS-SIM	
Surrogate: 2-Fluorobiphenyl		86 %	21-11	1	"	"	"	"	
Surrogate: Terphenyl-d14		85 %	38-12	23	"	"	"	"	
L (MOF0623-12) Wipe Sampled: 06/1	5/05 00:00 Rece	ived: 06/16	5/05 19:20						
	ND	530	ug/Wipe	1	5060031	06/21/05	06/22/05	GCMS-SIM	
Acenaphthylene	ND	530	"	"	"	"	"	"	
Acenaphthene	ND	530	"	"	"	"	"	"	
Fluorene	ND	530	"	"	"	"	"	"	
Phenanthrene	ND	530	"	"	"	"	"	"	
Anthracene	ND	530	"	"	"	"	"	"	
Fluoranthene	ND	530	"	"	"	"	"	"	
Pyrene	ND	530	"	"	"	"	"	"	
Benzo (a) anthracene	ND	530	"	"	"	"	"	"	
Chrysene	ND	530	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	530	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	530	"	"	"	"	"	"	
Benzo (a) pyrene	ND	530	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	530	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	530	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	530	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		86 %	30-10	)]	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		86 %	21-11	1	"	"	"	"	
Surrogate: Terphenyl-d14		84 %	38-12	23	"	"	"	n .	





Dept. of Toxic Substances Contol-Berkeley
700 Heinz Avenue, Suite 100
Project Num
Berkeley CA, 94710
Project Mana

Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

### Metals Scan by ICP - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
D / I FEAROAL EDA ANGAD / ICD C										

Blank (5F27021-BLK1)				Prepared: 06/2	27/05 Analyzed	d: 06/28/05	
Silver	ND	25	ug/Wipe		-		
Antimony	ND	250	"				
Sodium	ND	600	"				
Arsenic	ND	250	"				
Barium	ND	250	"				
Beryllium	ND	10	"				
Calcium	ND	600	"				
Cadmium	ND	10	"				
Cobalt	ND	25	"				
Copper	ND	200	"				
Chromium	ND	250	"				
ron	ND	500	"				
ead	ND	250	"				
Manganese	ND	500	"				
Molybdenum	ND	50	"				
Nickel	ND	250	"				
Potassium	ND	1200	"				
Selenium	ND	500	"				
Thallium Thallium	ND	250	"				
Vanadium Vanadium	ND	250	"				
Cinc	ND	250	"				
Laboratory Control Sample (5F27021-BS)	1)			Prepared: 06/2	27/05 Analyzed	d: 06/28/05	
Silver	50.2	25	ug/Wipe	50.0	100	80-110	
Antimony	50.7	250	"	50.0	101	80-115	
Sodium	486	600	"	500	97	70-115	
Arsenic	50.6	250	"	50.0	101	80-110	
Barium	48.8	250	"	50.0	98	80-110	
Beryllium	47.6	10	"	50.0	95	80-110	
Calcium	517	600	"	500	103	75-120	
Cadmium	50.5	10	"	50.0	101	80-110	
Cobalt	51.5	25	"	50.0	103	85-115	
Copper	49.1	200	"	50.0	98	85-110	
Chromium	51.1	250	"	50.0	102	85-110	
ron	51.8	500	"	50.0	104	80-120	
ead	51.3	250	"	50.0	103	75-120	

Sequoia Analytical - Morgan Hill



Analyte

Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley CA, 94710 Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas

Spike

Level

Source

Result

%REC

MOF0623 Reported: 08/02/05 13:37

Notes

RPD

Limit

%REC

Limits

RPD

# Metals Scan by ICP - Quality Control Sequoia Analytical - Morgan Hill

Units

Reporting

Limit

Result

Laboratory Control Sample (5F27021-BS1)				Prepared: 06	5/27/05 Analyzed	: 06/28/05
Manganese	50.8	500	ug/Wipe	50.0	102	80-115
Molybdenum	50.6	50	"	50.0	101	80-110
Nickel	51.0	250	"	50.0	102	80-115
Potassium	519	1200	"	500	104	70-125
elenium	50.9	500	"	50.0	102	80-110
hallium	52.6	250	"	50.0	105	75-115
anadium	50.5	250	"	50.0	101	75-115
nc	50.2	250	"	50.0	100	80-115
aboratory Control Sample (5F27021-BS2)				Prepared: 06	5/27/05 Analyzed	: 06/28/05
Silver	49.6	25	ug/Wipe	50.0	99	80-110
ntimony	50.0	250	"	50.0	100	80-115
odium	473	600	"	500	95	70-115
rsenic	48.9	250	"	50.0	98	80-110
rium	47.8	250	"	50.0	96	80-110
eryllium	47.0	10	"	50.0	94	80-110
alcium	510	600	"	500	102	75-120
admium	50.0	10	"	50.0	100	80-110
obalt	51.0	25	"	50.0	102	85-115
opper	48.3	200	"	50.0	97	85-110
hromium	50.4	250	"	50.0	101	85-110
on	51.1	500	"	50.0	102	80-120
ead	51.2	250	"	50.0	102	75-120
anganese	50.2	500	"	50.0	100	80-115
olybdenum	50.2	50	"	50.0	100	80-110
ckel	50.2	250	"	50.0	100	80-115
otassium	512	1200	"	500	102	70-125
lenium	50.2	500	"	50.0	100	80-110
llium	51.4	250	"	50.0	103	75-115

250

250

49.8

49.7

50.0

50.0

Vanadium

Zinc

75-115

80-115

100

99



Batch 5G05011 - EPA 3050B / EPA 6020

Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (5G05011-BLK1)			Prepared: 06/27/05 Analyzed: 07/05/05					
Antimony	ND	1.0	ug/Wipe					
Arsenic	ND	1.0	"					
Barium	ND	5.0	"					
Beryllium	ND	0.20	"					
Cadmium	ND	0.60	"					
Chromium	ND	10	"					
Cobalt	ND	2.0	"					
Copper	ND	5.0	"					
Lead	ND	5.0	"					
Molybdenum	ND	2.0	"					
Nickel	ND	8.0	"					
Selenium	1.40	1.0	"					QB02
Silver	ND	1.0	"					
Thallium	ND	1.0	"					
Vanadium	ND	2.0	"					
Zinc	ND	10	"					
Laboratory Control Sample (5G05011-BS1)				Prepared: 06/2	27/05 Analyzed	: 07/05/05		
Antimony	48.9	1.0	ug/Wipe	50.0	98	80-120		
Arsenic	48.0	1.0	"	50.0	96	80-120		
Barium	47.8	5.0	"	50.0	96	80-120		
Beryllium	50.1	0.20	"	50.0	100	80-120		
Cadmium	47.2	0.60	"	50.0	94	80-120		
Chromium	50.9	10	"	50.0	102	80-120		
Cobalt	49.8	2.0	"	50.0	100	80-120		
Copper	50.5	5.0	"	50.0	101	80-120		
Lead	50.2	5.0	"	50.0	100	80-120		
Molybdenum	48.7	2.0	"	50.0	97	80-120		

8.0

1.0

1.0

1.0

2.0

10

50.0

50.0

50.0

50.0

50.0

50.0

49.4

45.9

49.5

49.9

47.5

51.3

Nickel

Silver

Zinc

Selenium

Thallium

Vanadium

80-120

80-120

80-120

80-120

80-120

80-120

99

92

99

100

95

103



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G05011 - EPA 3050B / EPA 6020	)									
Laboratory Control Sample (5G05011-BS2)				Prepared:	06/27/05	Analyzed	1: 07/05/05			
Antimony	48.8	1.0	ug/Wipe	50.0		98	80-120			
Arsenic	47.7	1.0	"	50.0		95	80-120			
Barium	47.5	5.0	"	50.0		95	80-120			
Beryllium	48.7	0.20	"	50.0		97	80-120			
Cadmium	47.0	0.60	"	50.0		94	80-120			
Chromium	50.2	10	"	50.0		100	80-120			
Cobalt	50.2	2.0	"	50.0		100	80-120			
Copper	50.6	5.0	"	50.0		101	80-120			
Lead	50.1	5.0	"	50.0		100	80-120			
Molybdenum	48.1	2.0	"	50.0		96	80-120			
Nickel	49.4	8.0	"	50.0		99	80-120			
Selenium	45.3	1.0	"	50.0		91	80-120			
Silver	49.3	1.0	"	50.0		99	80-120			
Thallium	50.1	1.0	"	50.0		100	80-120			
Vanadium	46.9	2.0	"	50.0		94	80-120			
Zinc	51.3	10	"	50.0		103	80-120			
Batch 5F24016 - EPA 7471A / EPA 7471	A									
Blank (5F24016-BLK1)				Prepared of	& Analyz	ed: 06/24/0	05			
Mercury	ND	0.0050	ug/Wipe							
<b>Laboratory Control Sample (5F24016-BS1)</b>		Prepared & Analyzed: 06/24/05								
Mercury	0.361	0.0050	ug/Wipe	0.400		90	75-125			
Laboratory Control Sample (5F24016-BS2)				Prepared a	& Analyz	ed: 06/24/0	05			
Mercury	0.382	0.0050	ug/Wipe	0.400		96	75-125			





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Ratch	5F21026 -	FDA 35	50 Wine	/ FDA	8270C
Batch	5F Z I UZO -	· EPA 33	oou wide	/ LPA	84/UC

				Prepared: 06/21/05 Analyzed: 06/22/05
Acenaphthene	ND	5.0	ug/Wipe	
Acenaphthylene	ND	5.0	"	
Anthracene	ND	5.0	"	
Benzo (a) anthracene	ND	5.0	"	
Benzo (a) pyrene	ND	5.0	"	
Benzo (b) fluoranthene	ND	5.0	"	
Benzo (g,h,i) perylene	ND	10	"	
Benzo (k) fluoranthene	ND	5.0	"	
Benzoic acid	ND	10	"	
Benzyl alcohol	ND	10	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	
Bis(2-chloroethyl)ether	ND	10	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	
4-Bromophenyl phenyl ether	ND	5.0	"	
Butyl benzyl phthalate	ND	5.0	"	
4-Chloroaniline	ND	50	"	
2-Chloronaphthalene	ND	5.0	"	
4-Chloro-3-methylphenol	ND	5.0	"	
2-Chlorophenol	ND	5.0	"	
4-Chlorophenyl phenyl ether	ND	10	"	
Chrysene	ND	5.0	"	
Dibenz (a,h) anthracene	ND	5.0	"	
Dibenzofuran	ND	5.0	"	
Di-n-butyl phthalate	ND	5.0	"	
1,2-Dichlorobenzene	ND	10	"	
1,3-Dichlorobenzene	ND	10	"	
1,4-Dichlorobenzene	ND	10	"	
3,3´-Dichlorobenzidine	ND	50	"	
2,4-Dichlorophenol	ND	5.0	"	
Diethyl phthalate	ND	5.0	"	
2,4-Dimethylphenol	ND	10	"	
Dimethyl phthalate	ND	5.0	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	
2,4-Dinitrophenol	ND	10	"	
2,4-Dinitrotoluene	ND	5.0	"	

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 Reported: 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

											ı
		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 5F21026 - EPA 3550 Wipe / EPA 8270C

Blank (5F21026-BLK1)				Prepared: 06/21/05 Analyzed: 06/22/05
2,6-Dinitrotoluene	ND	5.0	ug/Wipe	
Di-n-octyl phthalate	ND	10	"	
Fluoranthene	ND	5.0	"	
Fluorene	ND	5.0	"	
Hexachlorobenzene	ND	5.0	"	
Hexachlorobutadiene	ND	10	"	
Hexachlorocyclopentadiene	ND	10	"	
Hexachloroethane	ND	10	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	
Isophorone	ND	5.0	"	
2-Methylnaphthalene	ND	5.0	"	
2-Methylphenol	ND	5.0	"	
4-Methylphenol	ND	5.0	"	
Naphthalene	ND	5.0	"	
2-Nitroaniline	ND	10	"	
3-Nitroaniline	ND	100	"	
4-Nitroaniline	ND	50	"	
Nitrobenzene	ND	5.0	"	
2-Nitrophenol	ND	5.0	"	
4-Nitrophenol	ND	10	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	
N-Nitrosodiphenylamine	ND	10	"	
Pentachlorophenol	ND	10	"	
Phenanthrene	ND	5.0	"	
Phenol	ND	5.0	"	
Pyrene	ND	5.0	"	
1,2,4-Trichlorobenzene	ND	10	"	
2,4,5-Trichlorophenol	ND	5.0	"	
2,4,6-Trichlorophenol	ND	5.0	"	
Surrogate: 2-Fluorophenol	76.7		"	100 77 25-121
Surrogate: Phenol-d6	88.5		"	100 88 24-113
Surrogate: Nitrobenzene-d5	39.6		"	50.0 79 23-120
Surrogate: 2-Fluorobiphenyl	39.8		"	50.0 80 30-115
Surrogate: 2,4,6-Tribromophenol	84.8		"	100 85 19-122
Surrogate: p-Terphenyl-d14	42.5		"	50.0 85 18-137

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F21026 - EPA 3550 Wipe / EPA 8270C

<b>Laboratory Control Sample (5F21026-BS1)</b>							
Acenaphthene	44.9	5.0	ug/Wipe	50.0	90	31-137	
Acenaphthylene	44.3	5.0	"	50.0	89	0-200	
Anthracene	46.2	5.0	"	50.0	92	0-200	
Benzo (a) anthracene	44.8	5.0	"	50.0	90	0-200	
Benzo (a) pyrene	45.3	5.0	"	50.0	91	0-200	
Benzo (b) fluoranthene	43.6	5.0	"	50.0	87	0-200	
Benzo (g,h,i) perylene	36.2	10	"	50.0	72	0-200	
Benzo (k) fluoranthene	43.6	5.0	"	50.0	87	0-200	
Benzyl alcohol	44.8	10	"	50.0	90	0-200	
Bis(2-chloroethoxy)methane	41.8	5.0	"	50.0	84	0-200	
Bis(2-chloroethyl)ether	27.4	10	"	50.0	55	0-200	
Bis(2-chloroisopropyl)ether	37.7	5.0	"	50.0	75	0-200	
Bis(2-ethylhexyl)phthalate	43.4	10	"	50.0	87	0-200	
4-Bromophenyl phenyl ether	40.9	5.0	"	50.0	82	0-200	
Butyl benzyl phthalate	43.6	5.0	"	50.0	87	0-200	
4-Chloroaniline	35.7	50	"	50.0	71	0-200	
2-Chloronaphthalene	41.1	5.0	"	50.0	82	0-200	
4-Chloro-3-methylphenol	45.5	5.0	"	50.0	91	26-103	
2-Chlorophenol	41.1	5.0	"	50.0	82	25-102	
4-Chlorophenyl phenyl ether	44.2	10	"	50.0	88	0-200	
Chrysene	42.5	5.0	"	50.0	85	0-200	
Dibenz (a,h) anthracene	37.3	5.0	"	50.0	75	0-200	
Dibenzofuran	44.1	5.0	"	50.0	88	0-200	
Di-n-butyl phthalate	48.5	5.0	"	50.0	97	0-200	
1,2-Dichlorobenzene	38.8	10	"	50.0	78	0-200	
1,3-Dichlorobenzene	39.0	10	"	50.0	78	0-200	
1,4-Dichlorobenzene	39.9	10	"	50.0	80	28-104	
2,4-Dichlorophenol	44.4	5.0	"	50.0	89	0-200	
Diethyl phthalate	46.6	5.0	"	50.0	93	0-200	
2,4-Dimethylphenol	38.5	10	"	50.0	77	0-200	
Dimethyl phthalate	43.7	5.0	"	50.0	87	0-200	
4,6-Dinitro-2-methylphenol	42.7	5.0	"	50.0	85	0-200	
2,4-Dinitrophenol	52.8	10	"	50.0	106	0-200	
2,4-Dinitrotoluene	47.2	5.0	"	50.0	94	28-89	QLO
2,6-Dinitrotoluene	45.9	5.0	"	50.0	92	0-200	
Di-n-octyl phthalate	43.2	10	"	50.0	86	0-200	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F21026 - EPA 3550 Wipe / EPA 8270C

<b>Laboratory Control Sample (5F21026-BS1)</b>				Prepared: 06	6/21/05 Analyzed: (	06/22/05
Fluoranthene	52.5	5.0	ug/Wipe	50.0	105	0-200
Fluorene	48.2	5.0	"	50.0	96	0-200
Hexachlorobenzene	42.5	5.0	"	50.0	85	0-200
Hexachlorobutadiene	41.0	10	"	50.0	82	0-200
Hexachlorocyclopentadiene	41.7	10	"	50.0	83	0-200
Hexachloroethane	37.6	10	"	50.0	75	0-200
Indeno (1,2,3-cd) pyrene	47.6	10	"	50.0	95	0-200
Isophorone	37.3	5.0	"	50.0	75	0-200
2-Methylnaphthalene	45.3	5.0	"	50.0	91	0-200
2-Methylphenol	43.3	5.0	"	50.0	87	0-200
4-Methylphenol	48.2	5.0	"	25.0	193	0-200
Naphthalene	44.6	5.0	"	50.0	89	0-200
2-Nitroaniline	41.2	10	"	50.0	82	0-200
3-Nitroaniline	36.0	100	"	50.0	72	0-200
4-Nitroaniline	43.5	50	"	50.0	87	0-200
Nitrobenzene	41.3	5.0	"	50.0	83	0-200
2-Nitrophenol	42.8	5.0	"	50.0	86	0-200
4-Nitrophenol	48.1	10	"	50.0	96	11-114
N-Nitrosodi-n-propylamine	43.5	5.0	"	50.0	87	41-126
N-Nitrosodiphenylamine	48.4	10	"	50.0	97	0-200
Pentachlorophenol	47.0	10	"	50.0	94	17-109
Phenanthrene	46.6	5.0	"	50.0	93	0-200
Phenol	43.4	5.0	"	50.0	87	26-90
Pyrene	40.8	5.0	"	50.0	82	35-142
1,2,4-Trichlorobenzene	42.0	10	"	50.0	84	38-107
2,4,5-Trichlorophenol	42.0	5.0	"	50.0	84	0-200
2,4,6-Trichlorophenol	41.9	5.0	"	50.0	84	0-200
Surrogate: 2-Fluorophenol	80.6		"	100	81	25-121
Surrogate: Phenol-d6	86.1		"	100	86	24-113
Surrogate: Nitrobenzene-d5	40.4		"	50.0	81	23-120
Surrogate: 2-Fluorobiphenyl	41.8		"	50.0	84	30-115
Surrogate: 2,4,6-Tribromophenol	85.9		"	100	86	19-122
Surrogate: p-Terphenyl-d14	39.6		"	50.0	79	18-137





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F2	21026 - El	PA 3550 W	Vipe / EPA	8270C

<b>Laboratory Control Sample Dup (51</b>	F21026-BSD1)	Prepared: 06/21/05 Analyzed: 06/22/05										
Acenaphthene	45.8	5.0	ug/Wipe	50.0	92	31-137	2	40				
Acenaphthylene	45.6	5.0	"	50.0	91	0-200	3	200				
Anthracene	47.7	5.0	"	50.0	95	0-200	3	200				
Benzo (a) anthracene	47.7	5.0	"	50.0	95	0-200	6	200				
Benzo (a) pyrene	47.9	5.0	"	50.0	96	0-200	6	200				
Benzo (b) fluoranthene	47.0	5.0	"	50.0	94	0-200	8	200				
Benzo (g,h,i) perylene	38.3	10	"	50.0	77	0-200	6	200				
Benzo (k) fluoranthene	44.5	5.0	"	50.0	89	0-200	2	200				
Benzyl alcohol	47.6	10	"	50.0	95	0-200	6	200				
Bis(2-chloroethoxy)methane	42.8	5.0	"	50.0	86	0-200	2	200				
Bis(2-chloroethyl)ether	27.6	10	"	50.0	55	0-200	0.7	200				
Bis(2-chloroisopropyl)ether	38.6	5.0	"	50.0	77	0-200	2	200				
Bis(2-ethylhexyl)phthalate	46.4	10	"	50.0	93	0-200	7	200				
4-Bromophenyl phenyl ether	42.7	5.0	"	50.0	85	0-200	4	200				
Butyl benzyl phthalate	46.2	5.0	"	50.0	92	0-200	6	200				
4-Chloroaniline	37.9	50	"	50.0	76	0-200	6	200				
2-Chloronaphthalene	40.6	5.0	"	50.0	81	0-200	1	200				
4-Chloro-3-methylphenol	50.3	5.0	"	50.0	101	26-103	10	40				
2-Chlorophenol	42.4	5.0	"	50.0	85	25-102	3	40				
4-Chlorophenyl phenyl ether	47.1	10	"	50.0	94	0-200	6	200				
Chrysene	44.1	5.0	"	50.0	88	0-200	4	200				
Dibenz (a,h) anthracene	39.9	5.0	"	50.0	80	0-200	7	200				
Dibenzofuran	46.2	5.0	"	50.0	92	0-200	5	200				
Di-n-butyl phthalate	49.7	5.0	"	50.0	99	0-200	2	200				
1,2-Dichlorobenzene	39.7	10	"	50.0	79	0-200	2	200				
1,3-Dichlorobenzene	39.1	10	"	50.0	78	0-200	0.3	200				
1,4-Dichlorobenzene	40.1	10	"	50.0	80	28-104	0.5	40				
2,4-Dichlorophenol	45.8	5.0	"	50.0	92	0-200	3	200				
Diethyl phthalate	52.0	5.0	"	50.0	104	0-200	11	200				
2,4-Dimethylphenol	37.7	10	"	50.0	75	0-200	2	200				
Dimethyl phthalate	47.3	5.0	"	50.0	95	0-200	8	200				
4,6-Dinitro-2-methylphenol	45.6	5.0	"	50.0	91	0-200	7	200				
2,4-Dinitrophenol	58.4	10	"	50.0	117	0-200	10	200				
2,4-Dinitrotoluene	53.9	5.0	"	50.0	108	28-89	13	40	QL0			
2,6-Dinitrotoluene	50.2	5.0	"	50.0	100	0-200	9	200				
Di-n-octyl phthalate	46.2	10	"	50.0	92	0-200	7	200				

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0623 **Reported:** 08/02/05 13:37

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Laboratory Control Sample Dup (5F2	21026-BSD1)			Prepared: 06/2	21/05 Analyzed	1: 06/22/05			
Fluoranthene	53.0	5.0	ug/Wipe	50.0	106	0-200	0.9	200	
Fluorene	51.6	5.0	"	50.0	103	0-200	7	200	
Hexachlorobenzene	43.6	5.0	"	50.0	87	0-200	3	200	
Hexachlorobutadiene	40.4	10	"	50.0	81	0-200	1	200	
Hexachlorocyclopentadiene	40.0	10	"	50.0	80	0-200	4	200	
Hexachloroethane	39.0	10	"	50.0	78	0-200	4	200	
Indeno (1,2,3-cd) pyrene	50.3	10	"	50.0	101	0-200	6	200	
Isophorone	39.1	5.0	"	50.0	78	0-200	5	200	
2-Methylnaphthalene	46.7	5.0	"	50.0	93	0-200	3	200	
2-Methylphenol	44.2	5.0	"	50.0	88	0-200	2	200	
4-Methylphenol	50.8	5.0	"	25.0	203	0-200	5	200	QL06
Naphthalene	45.0	5.0	"	50.0	90	0-200	0.9	200	
2-Nitroaniline	45.0	10	"	50.0	90	0-200	9	200	
3-Nitroaniline	38.5	100	"	50.0	77	0-200	7	200	
4-Nitroaniline	46.6	50	"	50.0	93	0-200	7	200	
Nitrobenzene	41.8	5.0	"	50.0	84	0-200	1	200	
2-Nitrophenol	43.1	5.0	"	50.0	86	0-200	0.7	200	
4-Nitrophenol	52.7	10	"	50.0	105	11-114	9	40	
N-Nitrosodi-n-propylamine	45.7	5.0	"	50.0	91	41-126	5	40	
N-Nitrosodiphenylamine	50.1	10	"	50.0	100	0-200	3	200	
Pentachlorophenol	46.8	10	"	50.0	94	17-109	0.4	40	
Phenanthrene	49.1	5.0	"	50.0	98	0-200	5	200	
Phenol	44.6	5.0	"	50.0	89	26-90	3	40	
Pyrene	43.9	5.0	"	50.0	88	35-142	7	40	
1,2,4-Trichlorobenzene	41.5	10	"	50.0	83	38-107	1	40	
2,4,5-Trichlorophenol	43.1	5.0	"	50.0	86	0-200	3	200	
2,4,6-Trichlorophenol	43.2	5.0	"	50.0	86	0-200	3	200	
Surrogate: 2-Fluorophenol	82.2		"	100	82	25-121			
Surrogate: Phenol-d6	90.5		"	100	90	24-113			
Surrogate: Nitrobenzene-d5	40.9		"	50.0	82	23-120			
Surrogate: 2-Fluorobiphenyl	40.8		"	50.0	82	30-115			
Surrogate: 2,4,6-Tribromophenol	89.7		"	100	90	19-122			
Surrogate: p-Terphenyl-d14	43.2		"	50.0	86	18-137			



Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOF0623700 Heinz Avenue, Suite 100Project Number:-Reported:Berkeley CA, 94710Project Manager:Myrto Petreas08/02/05 13:37

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control Sequoia Analytical - Petaluma

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 5060031	EPA 3580A	Waste Dil /	GCMS-SIM
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Blank (5060031-BLK1)				Prepared: 06/21/05	Analyzed	1: 06/22/05
Naphthalene	ND	530	ug/Wipe			
Acenaphthylene	ND	530	"			
Acenaphthene	ND	530	"			
Fluorene	ND	530	"			
Phenanthrene	ND	530	"			
Anthracene	ND	530	"			
Fluoranthene	ND	530	"			
Pyrene	ND	530	"			
Benzo (a) anthracene	ND	530	"			
Chrysene	ND	530	"			
Benzo (b+k) fluoranthene (total)	ND	1100	"			
Benzo (b) fluoranthene	ND	530	"			
Benzo (k) fluoranthene	ND	530	"			
Benzo (a) pyrene	ND	530	"			
Indeno (1,2,3-cd) pyrene	ND	530	"			
Benzo (g,h,i) perylene	ND	530	"			
Dibenz (a,h) anthracene	ND	530	"			
Surrogate: Nitrobenzene-d5	99.4		"	100	99	30-101
Surrogate: 2-Fluorobiphenyl	101		"	100	101	21-111
Surrogate: Terphenyl-d14	98.2		"	100	98	38-123





Dept. of Toxic Substances Contol-Berkeley	Project:OEHHA Playground Study	MOF0623
700 Heinz Avenue, Suite 100	Project Number:-	Reported:
Berkeley CA, 94710	Project Manager: Myrto Petreas	08/02/05 13:37

#### **Notes and Definitions**

QL06 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not

detected, data not impacted.

QB02 The method blank contains this analyte at a concentration above the method reporting limit.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

State of California California Environmental Protection Agency	(MOF 6423)	Department of Toxic Substances Control
HÀZARDOUS MATERIALS	1. Authorization Number	Hazardous Materials Laboratories
SAMPLE ANALYSIS REQUEST	1. Addition value	HML No. 2. Page   To 1 of   1 of   To 2 of
	506 50 500	
	<u>FAS</u> 4. Phone (510) 540 -3003	7. TAT Level: (check one)
5. ADDRESS (To Receive Results)	6. FAX ( ) -2305	
700 HEINZ AVE		
BERKELEY CA	94710	*1 2 3 4
1 (		Unit Chief's Signature
8. DATE SAMPLED: -6 [15] 05		9. Codes (fill in all applicable codes)
10. ACTIVITY: SCD SRPD CIB	SMB. FPB SPPT Others	a. Office
11. SAMPLING LOCATION	<u> </u>	b. INDEX
- SUHA ACOUR	RUND STUDY	c, PCA
b. Site <u>UENTIA PLM! (21</u>	COUND SINDY	d. MPC
c. Address		e. SITE
Number Street	City ZIP	. County
12. SAMPLES:	SampleC	Container
a. D b. Collector's No.	c. HML No. d. Type e. Typ	
AAA	POLIFSTER WIPE WETTED	WATER GLASS JAR 802
B B C C D D D E E	16	
c C	16	s (
D D	11	1,0
EF		L C
	tı	16
13. ANALYSIS	REQUESTED: (X desired analysis and enter I.D.	Os from 12.a.)
INORGANIC ANALYSIS	Sample(s) ID ORGANIC ANALY	SIS Sample(s) ID
pH	CL-Pesticides (	8081) £
Metals Scan (6010) 6 02 0	A B C OP-Pesticides (	8141)
Metal(s) Specific	PCBs (6082)	g .
WET	GRO (8015B)	
Cyanides	DRO/Motor O	il / Both (circle one)
X Hg 7471 (others, write in) D	n-Hexane Extrac	tables (1664)
(others, write in)	Flash Point (102	20)
TCLP Analysis	VOCs Including	BTEX (8260)
(only if necessary)	(do TCLP regardless) VOCs - LO Level	1 (5035)
Metals	VOCs - HI Level	(5035)
Mercury	SVOCs (8270)	
Volatiles	PAH's (8270)	<del></del> ] ] [
Semivolatiles		
/others, write in) 14. ANALYSIS OBJECTIVE: Was		(others, write in)
	te Characterization	Treatment Standards
(check a box) Drin 15. DETECTION LIMIT REQUIREMENTS: A	king H₂O Standards (applies to DW only)	Others (contact Lab supervisors first)
(specify if known and contact lab)	S LOW AS PUSSIBLE	
16. SUPPLEMENTAL	***************************************	Initials
REQUESTS		Date
17. LABREMARKS: PULYESTER WEFS WET	TED WITH WATER IN	8.02 5ARS
18. CHAIN OF CUSTODY:	` ~ ~ .	1
2000 h Ohus	nesh Chard	06/15/05 to 06/16/05-
116 1	CAURICE	061605 to
: thufay F	EDRO HUFAND DM	6 14 as to
<u> </u>		
Signature(s)	Name(s) / Title (s)	Inclusive Dates of Custody

Other and Outliness to		<b>\</b> )	
State of California  California Environmental Protection Agency	MOFO	<i>Ų23 /</i> □ Dep	partment of Toxic Substances Control
	ization Number	HML No.	Hazardous Materials Laboratories
SAMPLE ANALYSIS REQUEST	Izadion ramber	To	2. Page 2 of 2
VIDASA INCTAGAC			<u> </u>
	( ) -	7. TAT Level: (ch	eck one)
5. ADDRESS (To Receive Results) 6. FAX	( ) -		
TOO HEINZ AVE, SUIT 100			
BERKELEY CA 94710	<u>,                                    </u>	*1	2 3 4
		* Unit Chief's Signature _	
8. DATE SAMPLED: 6/15/05	1.70	9. Codes (fill in all a	pplicable codes)
10. ACTIVITY: SCD SRPD CIB SMB FPB	SPPT Others	a Office	
11. SAMPLING LOCATION	<u> </u>	b. INDEX	
a, EPA ID No	). 	c. PCA	
b. Site OEWHA PLAYGROUND	STUDY	d. MPC	
c. Address		e SITE	
Number Street City	· ZIP	f. County	
12. SAMPLES:	<u>Sample</u>	Container	
a. D b. Collector's No. c. HML No.		Type f. Size	g. Field information
A G POLY ESTI	FA WIPE WETT	TED WITH WATE	RIN 8 02 JAR
ВН	'	ii	
<u>c</u> <u>T</u>		1c	
	A WIDE WE	TIED ISURDAY	LALCONUL 8 02 JAR
E K		i(	
<u>F</u> <u>L</u>		l te	
	sired <u>analysis and enter</u>	I.Ds from 12.a.)	
INORGANIC ANALYSIS Sample(s) ID	ORGANIC ANA	LYSIS	Sample(s) ID
pH	CL-Pesticides	s (8081)	
Metals Scan (6010)	OP-Pesticides	·	
Metal(s) Specific	PCBs (8082)		· · · · · · · · · · · · · · · · · · ·
WET.	GRO (8015)	<del></del>	
Cyanides	! . <del>                                    </del>	r Oil / Both (circle one)	
(others, write in)	<del></del>	ractables (1664)	<del>  </del>  [
(others, write in) TCLP Analysis	Flash Point (1		
(only if necessary) (do TCLP regardless)		ng BTEX (8260)	
Metals (00 100 legalitiess)	VOCs - LO Le		<del> </del>
Mercury	X SVOCs (8270	<u> </u>	GHI
Volatiles	PAHs (8270)	1 sim	
Semivolatiles	<u> </u>	7 .) 1/41	777
(others, write in)		others, write in	, ,
14. ANALYSIS OBJECTIVE: Waste Characterization		Treatment Standard	
(abadia bad)	(applies to DW only)	N/   /	nlact Lab supervisors first)
15. DETECTION LIMIT REQUIREMENTS:	101665A	-	
(specify If known and contact lab) AS LOW AS	161777 CAYE	<del></del>	
16. SUPPLEMENTAL	Metaconici innocializaren erriariaren erriariaren erriariaren erriariaren erriariaren erriariaren erriariaren e	occenn	Initials
REQUESTS	<u> </u>		Date
POLYESTER WIPES WETTED WITH WAT	FR OF ISOPRO	PXX ALCOHOL	N 8 02 JARS &
18. CHAIN OF CUSTOPY:		Bol allows	, ,
Julian Company	<u> </u>	06 12 05	to 0616 55
1801 -	2/-	06 16 05	_ to c
Hulan PEDRO HUFA	NO / DM	6 16 01	to
			to c
Signature(s) Name(s) /	Title (s)	Inclusiv	re Dates of Custody

# California Department of Toxic Substances Control **Hazardous Materials Laboratory**700 Heinz Avenue, Suite#150, Berkeley, CA 94710

(MOF 6423)

SAMPLE / SAMPLE EXTRACT TRANSPORT CUSTODY

Receiving Lab / S	Section: Segt	wa Av	alytical 1	les.	
Sample Collection	0-1		AYGROUD	STUDY	
HML # or Collector's #	Sample Type *	Analysis Requested	Location of Sample (s)	Remarks	
A TO L	royeskir	SAR.			
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		an ama			-
					i per
<u></u>		-	,		
					_
	ginal sample container; gest; T = TCLP extract				
Release for trans	port by: DING	25h Cha	Time	/Date 6/16/05 1	1.40pm
	Sequoia Lab/ GC/N		g sec/ Fed Ex / Othe Time	ers :/Date_ <u>6/6</u> 65′, :/Date_ <u>6/16</u> 65′,	1:40pm
Received by:	Mulay 5	реамн	Time	e/Date_Ululos	10 1920
Returned to HM	L by: V		Time	e / Date	

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

N.	or Problem COC	**Exception (if any): METALS / DFF ON ICE	(Acceptance range for samples requiring thermal pres.)	. Is temp 4 +/-2°C? (Yes / No**	ab:	(circle which, if yes) Yes (No*)	13. Trip Blank / Temp Blank Received?	used? (Yes / No*	12. Proper Preservatives	received? (Yes / No*	11. Adequate sample volume	hold time? (Yes/) No*	10. Sample received within	agree? (Yes.) No*	traffic reports and sample labels	9. Does information on chain-of-custody,	Leaking*	8. Sample Condition: (Intact) Broken* /	ол-Chain-of-Custody	$\cap$	6. Sample Labels: (Present / Absent	5. Airbill #:	Present / Absent		Packing List: Present (Absent	3. Traffic Reports or	2. Chain-of-Custody (Present / Absent*	Intagt/ Broken*	1. Custody Seal(s) Present / Absent	CIRCLE THE APPROPRIATE RESPONSE		WORKORDER: MoFoくよう	REC. BY (PRINT) PIT	CLIENT NAME: DTSC
							 											7	11	69	607	5٠	67	20	96	40	04	20	10	SAMPLE#				
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NTACT PROJECT N	BEDWESSLICH UNSTRABBITES STRIKE			,,				<u> </u>													1	Ŧ	e G	F	E	D	C	9	A	CLIENT ID		DATE LOGGED IN:	TIME REC'D AT LAB:	DATE REC'D AT LAB
IANAGER AND	The state of the s				4			2000		6								ع.	1	(		/	)			\ .	-	-	800 JAR	CONTAINER DESCRIPTION	(For			का
ATTACH F	WHO PER STORES STORES									<u> </u>	6/	101						-	. )					·				_	,	PRESERV ATIVE	clients requi	4-18-05		47
ECORI	THE HEAT FEW																	٥										-	1	ΡΗ	ring pre			
OF RES														\				4					/ ]					· -	₹W16€	SAMPLE MATRIX	servation o			
OLUTION.	CONTRACTOR																	7	/						_				6 15 05	DATE SAMPLED	hecks at rec	WASTE WATER	DRINKING WATER	For Regula
*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.														· ·		••••						· MAYY			-				-	REMARKS: CONDITION (ETC.)	(For clients requiring preservation checks at receipt, document here ♣)		WATER YES (NO)	For Regulatory Purposes?

SRL Revision 6
Replaces Rov 5 (06/07/04)
Fifactive 07/13/04



4 August, 2005

Myrto Petreas Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley, CA 94710

RE: OEHHA Playground Study

Grever aller

Work Order: MOF0858

Enclosed are the results of analyses for samples received by the laboratory on 06/23/05 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen Project Manager

CA ELAP Certificate #1210





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A	MOF0858-01	Wipe	06/21/05 00:00	06/23/05 16:30
В	MOF0858-02	Wipe	06/21/05 00:00	06/23/05 16:30
C	MOF0858-03	Wipe	06/21/05 00:00	06/23/05 16:30
D	MOF0858-04	Wipe	06/21/05 00:00	06/23/05 16:30
E	MOF0858-05	Wipe	06/21/05 00:00	06/23/05 16:30
F	MOF0858-06	Wipe	06/21/05 00:00	06/23/05 16:30
G	MOF0858-07	Wipe	06/21/05 00:00	06/23/05 16:30
Н	MOF0858-08	Wipe	06/21/05 00:00	06/23/05 16:30
I	MOF0858-09	Wipe	06/21/05 00:00	06/23/05 16:30
J	MOF0858-10	Wipe	06/21/05 00:00	06/23/05 16:30
K	MOF0858-11	Wipe	06/21/05 00:00	06/23/05 16:30
L	MOF0858-12	Wipe	06/21/05 00:00	06/23/05 16:30





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# **Total Metals by EPA 6020 ICPMS Sequoia Analytical - Morgan Hill**

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A (MOF0858-01) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Aluminum	370	2.0	ug/Wipe	20	5G05011	06/27/05	07/05/05	EPA 6020	
<b>B</b> (MOF0858-02) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Aluminum	370	2.0	ug/Wipe	20	5G05011	06/27/05	07/05/05	EPA 6020	
C (MOF0858-03) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Aluminum	330	2.0	ug/Wipe	20	5G05011	06/27/05	07/05/05	EPA 6020	



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

# Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Notes
Calcium	
Tron	
Potassium         150         100         "	
No   No   No   No   No   No   No   No	
Arsenic ND 1.0 " " " " " " " " " " " " " " " " " " "	
Barium         ND         5.0         "	
Beryllium	
Cadmium         ND         0.60         " <th< td=""><td></td></th<>	
Chromium         ND         10         "	
Cobalt         ND         2.0         """"""""""""""""""""""""""""""""""""	
Copper       ND       5.0       "	
Lead       ND       5.0       " </td <td></td>	
Molybdenum         ND         2.0         "         <	
Nickel ND 8.0 " " " " " " " " " " " Selenium ND 1.0 " " " " " " " " " " " " " " " " " " "	
Selenium         ND         1.0         " <th< td=""><td></td></th<>	
Silver         ND         1.0         "	
Thallium         ND         1.0         " <th< td=""><td></td></th<>	
Vanadium         ND         2.0         " <th< td=""><td></td></th<>	
Zinc       100	
Magnesium 210 2.5 " 1 5F27021 " 06/28/05 EPA 6010B B (MOF0858-02) Wipe Sampled: 06/21/05 00:00 Received: 06/23/05 16:30	
B (MOF0858-02) Wipe Sampled: 06/21/05 00:00 Received: 06/23/05 16:30	
<b>Calcium</b> 400 12 ug/Wipe 1 5F27021 06/27/05 06/28/05 EPA 6010B	
Iron 650 5.0 " " " " "	
Potassium 140 100 " " " " " " "	
<b>Antimony</b> 210 1.0 " 20 5G05011 " 07/05/05 EPA 6020	
Arsenic ND 1.0 " " " " "	
Barium ND 5.0 " " " " " "	
Beryllium ND 0.20 " " " " " "	
Cadmium ND 0.60 " " " " " "	
Chromium ND 10 " " " " " "	
Cobalt ND 2.0 " " " " " "	
Copper ND 5.0 " " " " " "	
Lead ND 5.0 " " " " "	
Molybdenum ND 2.0 " " " " " "	
Nickel ND 8.0 " " " " " "	
Selenium ND 1.0 " " " " " "	
Silver ND 1.0 " " " " " "	
Thallium ND 1.0 " " " " " "	
Vanadium ND 2.0 " " " " " "	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

		- n :							
Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
B (MOF0858-02) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Zinc	110	10	ug/Wipe	20	5G05011	06/27/05	07/05/05	EPA 6020	
Magnesium	210	2.5	"	1	5F27021	"	06/28/05	EPA 6010B	
C (MOF0858-03) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Calcium	1300	12	ug/Wipe	1	5F27021	06/27/05	06/28/05	EPA 6010B	
Iron	670	5.0	"	"	"	"	"	"	
Potassium	120	100	"	"	"	"	"	"	
Antimony	170	1.0	"	20	5G05011	"	07/05/05	EPA 6020	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	ND	5.0	"	"	"	"	"	"	
Beryllium	ND	0.20	"	"	"	"	"	"	
Cadmium	ND	0.60	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Copper	ND	5.0	"	"	"	"	"	"	
Lead	ND	5.0	"	"	"	"	"	"	
Molybdenum	ND	2.0	"	"	"	"	"	"	
Nickel	ND	8.0	"	"	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	NE	1.0	"	"	"	"	"	"	
Vanadium	NE	2.0	"	"	"	"	"	"	
Zinc	26		"	"	"	"	"	"	
Magnesium	220	2.5	"	1	5F27021	"	06/28/05	EPA 6010B	



Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOF0858700 Heinz Avenue, Suite 100Project Number:-Reported:Berkeley CA, 94710Project Manager:Myrto Petreas08/04/05 16:42

# Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D (MOF0858-04) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Mercury	NE	0.0050	ug/Wipe	1	5F27009	06/27/05	06/27/05	EPA 7471A	
E (MOF0858-05) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Mercury	NE	0.0050	ug/Wipe	1	5F27009	06/27/05	06/27/05	EPA 7471A	
F (MOF0858-06) Wipe	Sampled: 06/21/05 00:00	Received: 06/23	3/05 16:30						
Mercury	NE	0.0050	ug/Wipe	1	5F27009	06/27/05	06/27/05	EPA 7471A	<u> </u>





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

		equoia min	ily ticui	111015					
Analyte	Result	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G (MOF0858-07) Wipe	Sampled: 06/21/05 00:00	Received: 06/2.	3/05 16:30						
Acenaphthene	ND		ug/Wipe	1	5F27024	06/27/05	06/28/05	EPA 8270C	
Acenaphthylene	ND		"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		"	"	"	"	"	m .	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	m .	
Benzoic acid	ND	10	"	"	"	"	"	m .	
Benzyl alcohol	ND		"	"	"	"	"	m .	
Bis(2-chloroethoxy)methan	ne ND	5.0	"	"	"	"	"	n .	
Bis(2-chloroethyl)ether	ND		"	"	"	"	"	n .	
Bis(2-chloroisopropyl)ether	er ND	5.0	"	"	"	"	"	n .	
Bis(2-ethylhexyl)phthalate			"	"	"	"	"	n .	
4-Bromophenyl phenyl ethe			"	"	"	"	"	n .	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND		"	"	"	"	"	"	
2-Chloronaphthalene	ND		"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		"	"	"	"	"	"	
2-Chlorophenol	ND		"	"	"	"	"	"	
4-Chlorophenyl phenyl ethe			"	"	"	"	"	"	
Chrysene	ND		"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		"	"	"	"	"	"	
Dibenzofuran	ND		"	"	"	"	"	"	
Di-n-butyl phthalate	ND		"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND		"	"	"	"	"	"	
2,4-Dichlorophenol	ND		"	"	"	"	"	"	
Diethyl phthalate	ND		"	"	"	"	"	m .	
2,4-Dimethylphenol	ND		"	"	"	"	"	m .	
Dimethyl phthalate	ND		"	"	"	"	"	m .	
4,6-Dinitro-2-methylphenol			"	"	"	"	"	m .	
2,4-Dinitrophenol	ND ND		"	"	"	"	"	n .	
2,4-Dinitrotoluene	ND		"	"	"	"	"	n .	
2,6-Dinitrotoluene	ND		"	"	"	"	"	n .	
Di-n-octyl phthalate	ND		"	"	"	"	"	"	
Fluoranthene	ND		"	"	"	"	"	"	
Fluorene	ND		"	"	"	"	"	"	
0010110	NL	5.0							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

G (MOF0858-07) Wipe S	ampled: 06/21/05 00:00			Dilution	Batch	Prepared	Analyzed	Method	Notes
G (MOF0636-07) Wipe S	ampicu. 00/21/05 00:00	Received: 06/23	3/05 16:30						
Hexachlorobenzene	ND		ug/Wipe	1	5F27024	06/27/05	06/28/05	EPA 8270C	
Hexachlorobutadiene	ND		"	"	"	"	"	"	
He xach loro cyclopenta diene	ND		"	"	"	"	"	"	
Hexachloroethane	ND		"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND		"	"	"	"	"	"	
2-Methylphenol	ND		"	"	"	"	"	"	
4-Methylphenol	ND		"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND		"	"	"	"	"	"	
3-Nitroaniline	ND		"	"	"	"	"	"	
4-Nitroaniline	ND		"	"	"	"	"	"	
Nitrobenzene	ND		"	"	"	"	"	"	
2-Nitrophenol	ND		"	"	"	"	"	"	
4-Nitrophenol	ND		"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		"	"	"	"	"	"	
Pentachlorophenol	ND		"	"	"	"	"	"	
Phenanthrene	ND		"	"	"	"	"	"	
Phenol	ND		"	"	"	"	"	"	
Pyrene	ND		"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		76 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		87 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-d5		77 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobipheny	l	79 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromoph	henol	86 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-d14		72 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Drangrad	Anglyzad	Method	Notes
					Daten	Prepared	Analyzed	Method	notes
H (MOF0858-08) Wipe	Sampled: 06/21/05 00:00	Received: 06/2	3/05 16:30						
Acenaphthene	ND		ug/Wipe	1	5F27024	06/27/05	06/28/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND		"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methan	ne ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ethe	er ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate		10	"	"	"	"	"	"	
4-Bromophenyl phenyl eth		5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND		"	"	"	"	"	"	
4-Chlorophenyl phenyl eth			"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		"	"	"	"	"	"	
Dibenzofuran	ND		"	"	"	"	"	"	
Di-n-butyl phthalate	ND		"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND		"	"	"	"	"	"	
2,4-Dichlorophenol	ND		"	"	"	"	"	"	
Diethyl phthalate	ND		"	"	"	"	"	"	
2,4-Dimethylphenol	ND ND		"	"	"	"	"	"	
Dimethyl phthalate	NE NE		"	"	"	"	"	"	
4,6-Dinitro-2-methylpheno			"	"	"	"	"	"	
2,4-Dinitrophenol	NE NE		"	"	"	"	"	"	
2,4-Dinitrophenor	NE NE		"	"	"	"	"	"	
2,6-Dinitrotoluene	NE NE		,,	,,	"	"	"	"	
Di-n-octyl phthalate	NE NE		,,	,,	"	"	"	"	
Fluoranthene	NE NE		,,	,,	"	"	"	"	
Fluorene	NE NE		"	"	"	"	"	"	
Tuorene	NL	5.0							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H (MOF0858-08) Wipe	Sampled: 06/21/05 00:00	Received: 06/2	3/05 16:30						
Hexachlorobenzene	ND		ug/Wipe	1	5F27024	06/27/05	06/28/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadien			"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND		"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamin	e ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
	l	78 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		91 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-a	15	78 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobiphe	nyl	79 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromo	pphenol	89 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-di	14	68 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

	Bed	·	ary trear	1110150					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I (MOF0858-09) Wipe Sampled	ed: 06/21/05 00:00 Rece	eived: 06/23.	/05 16:30						
Acenaphthene	ND	5.0	ug/Wipe	1	5F27024	06/27/05	06/28/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	n .	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	n .	
Benzoic acid	ND	10	"	"	"	"	"	n .	
Benzyl alcohol	ND	10	"	"	"	"	"	n .	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	n .	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	n .	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND ND	10	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND ND	50	"	"	"	"	"	"	
2,4-Dichlorophenol	ND ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND ND	5.0	"	"	"	"	"	"	
2,4-Dinitro-2-methylphenol	ND ND	10	"	"	"	"	"	"	
2,4-Dinitropnenol 2,4-Dinitrotoluene	ND ND	5.0	"	"	"	"	"	"	
2,4-Dinitrotoluene 2,6-Dinitrotoluene	ND ND	5.0		"		"	"	"	
2,6-Dinitrotoluene Di-n-octyl phthalate	ND ND	5.0	.,	"		"	"	"	
Di-n-octyl phthalate Fluoranthene			"	"	"	,,	"	"	
	ND ND	5.0 5.0	"	"	"	"	"	"	
Fluorene	ND	5.0					**	**	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I (MOF0858-09) Wipe Sampled	: 06/21/05 00:00 Rec	eived: 06/23	/05 16:30						
Hexachlorobenzene	ND	5.0	ug/Wipe	1	5F27024	06/27/05	06/28/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		79 %	25-	121	"	"	"	"	
Surrogate: Phenol-d6		93 %	24-	113	"	"	"	"	
Surrogate: Nitrobenzene-d5		82 %	23-	120	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		82 %	30-	115	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		91 %	19-	122	"	"	"	"	
Surrogate: p-Terphenyl-d14		77 %	18-	137	"	"	"	"	





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

Γ		quoia Ai	iuiy tica	1 1 Ctu	luiiiu				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J (MOF0858-10) Wipe Sampled: 06/	/21/05 00:00 Rece	ived: 06/23	/05 16:30						
Naphthalene	ND	66	ug/Wipe	1	5060042	06/30/05	08/03/05	GCMS-SIM	
Acenaphthylene	ND	66	"	"	"	"	"	"	
Acenaphthene	ND	66	"	"	"	"	"	"	
Fluorene	ND	66	"	"	"	"	"	"	
Phenanthrene	ND	66	"	"	"	"	"	"	
Anthracene	ND	66	"	"	"	"	"	"	
Fluoranthene	ND	66	"	"	"	"	"	"	
Pyrene	ND	66	"	"	"	"	"	"	
Benzo (a) anthracene	ND	66	"	"	"	"	"	"	
Chrysene	ND	66	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	130	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	66	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	66	"	"	"	"	"	"	
Benzo (a) pyrene	ND	66	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	66	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	66	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	66	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		35 %	50-	150	"	"	"	"	S02
Surrogate: 2-Fluorobiphenyl		44 %	50-	150	"	"	"	"	S02
Surrogate: Terphenyl-d14		77 %	50-	150	"	"	"	"	
K (MOF0858-11) Wipe Sampled: 06	6/21/05 00:00 Rec	eived: 06/2	3/05 16:30	)					
Naphthalene	ND	66	ug/Wipe	1	5060042	06/30/05	08/03/05	GCMS-SIM	
Acenaphthylene	ND	66	"	"	"	"	"	"	
Acenaphthene	ND	66	"	"	"	"	"	"	
Fluorene	ND	66	"	"	"	"	"	"	
Phenanthrene	ND	66	"	"	"	"	"	"	
Anthracene	ND	66	"	"	"	"	"	"	
Fluoranthene	ND	66	"	"	"	"	"	"	
Pyrene	ND	66	"	"	"	"	"	"	
Benzo (a) anthracene	ND	66	"	"	"	"	"	"	
Chrysene	ND	66	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	130	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	66	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	66	"	"	"	"	"	"	
Benzo (a) pyrene	ND	66	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	66	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	66	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	66	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K (MOF0858-11) Wipe Sampled: 06/	/21/05 00:00	Received: 06/2	3/05 16:30						
Surrogate: Nitrobenzene-d5		52 %	50-15	50	5060042	06/30/05	08/03/05	GCMS-SIM	
Surrogate: 2-Fluorobiphenyl		58 %	50-15	50	"	"	"	"	
Surrogate: Terphenyl-d14		86 %	50-15	50	"	"	"	"	
L (MOF0858-12) Wipe Sampled: 06/	21/05 00:00 I	Received: 06/23	3/05 16:30						
Naphthalene	ND	66	ug/Wipe	1	5060042	06/30/05	08/03/05	GCMS-SIM	
Acenaphthylene	ND	66	"	"	"	"	"	"	
Acenaphthene	ND	66	"	"	"	"	"	"	
Fluorene	ND	66	"	"	"	"	"	"	
Phenanthrene	ND	66	"	"	"	"	"	"	
Anthracene	ND	66	"	"	"	"	"	"	
Fluoranthene	ND	66	"	"	"	"	"	"	
Pyrene	ND	66	"	"	"	"	"	"	
Benzo (a) anthracene	ND	66	"	"	"	"	"	"	
Chrysene	ND	66	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	130	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	66	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	66	"	"	"	"	"	"	
Benzo (a) pyrene	ND	66	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	66	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	66	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	66	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		37 %	50-15	50	"	"	"	"	S02
Surrogate: 2-Fluorobiphenyl		50 %	50-15	50	"	"	"	"	
Surrogate: Terphenyl-d14		63 %	50-15	50	"	"	"	"	



Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOF0858700 Heinz Avenue, Suite 100Project Number:-Reported:Berkeley CA, 94710Project Manager:Myrto Petreas08/04/05 16:42

#### Total Metals by EPA 6020 ICPMS - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G05011 - EPA 3050B / EPA 6020	)									
Blank (5G05011-BLK1)				Prepared:	06/27/05	Analyzed	: 07/05/05			
Aluminum	ND	2.0	ug/Wipe							
Laboratory Control Sample (5G05011-BS1)				Prepared:	06/27/05	Analyzed	: 07/05/05			
Aluminum	51.9	2.0	ug/Wipe	50.0		104	80-120			
Laboratory Control Sample (5G05011-BS2)				Prepared:	06/27/05	Analyzed	: 07/05/05			
Aluminum	50.9	2.0	ug/Wipe	50.0		102	80-120			



Dept. of Toxic Substances Contol-Berkeley MOF0858 Project:OEHHA Playground Study 700 Heinz Avenue, Suite 100 Project Number:-Reported: Berkeley CA, 94710 Project Manager:Myrto Petreas 08/04/05 16:42

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5F27021 - EPA 3050B / E	CPA 6010B									
Blank (5F27021-BLK1)				Prepared:	06/27/05	Analyzed	1: 06/28/05			
Magnesium	ND	2.5	ug/Wipe							
Calcium	ND	12	"							
Iron	ND	5.0	"							
Potassium	ND	100	"							
Laboratory Control Sample (5F270	021-BS1)			Prepared:	06/27/05	Analyzed	1: 06/28/05			
Magnesium	500	2.5	ug/Wipe	500		100	85-115			
Calcium	517	12	"	500		103	85-115			
Iron	51.8	5.0	"	50.0		104	85-115			
Potassium	519	100	"	500		104	70-125			
Laboratory Control Sample (5F270	)21-BS2)			Prepared:	06/27/05	Analyzed	1: 06/28/05			
Magnesium	487	2.5	ug/Wipe	500		97	85-115			
Calcium	510	12	"	500		102	85-115			
Iron	51.1	5.0	"	50.0		102	85-115			
Potassium	512	100	"	500		102	70-125			
Batch 5G05011 - EPA 3050B / I	EPA 6020									
Blank (5G05011-BLK1)				Prepared:	06/27/05	Analyzed	1: 07/05/05			
Antimony	ND	1.0	ug/Wipe			-				
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	0.20	"							
Cadmium	ND	0.60	"							
Chromium	ND	10	"							
Cobalt	ND	2.0	"							
Copper	ND	5.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	2.0	"							
Nickel	ND	8.0	"							
Selenium	1.40	1.0	"							Q
Silver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	10	"							

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5G05011 - EPA 3050B / EPA 6020	
Laboratory Control Sample (5G05011-BS1)	

Laboratory Control Sample (5G05011-BS1)				Prepared: 06	5/27/05 Analyzed:	07/05/05
Antimony	48.9	1.0	ug/Wipe	50.0	98	80-120
Arsenic	48.0	1.0	"	50.0	96	80-120
Barium	47.8	5.0	"	50.0	96	80-120
Beryllium	50.1	0.20	"	50.0	100	80-120
Cadmium	47.2	0.60	"	50.0	94	80-120
Chromium	50.9	10	"	50.0	102	80-120
Cobalt	49.8	2.0	"	50.0	100	80-120
Copper	50.5	5.0	"	50.0	101	80-120
Lead	50.2	5.0	"	50.0	100	80-120
Molybdenum	48.7	2.0	"	50.0	97	80-120
Nickel	49.4	8.0	"	50.0	99	80-120
Selenium	45.9	1.0	"	50.0	92	80-120
Silver	49.5	1.0	"	50.0	99	80-120
Thallium	49.9	1.0	"	50.0	100	80-120
Vanadium	47.5	2.0	"	50.0	95	80-120
Zinc	51.3	10	"	50.0	103	80-120
Laboratory Control Sample (5G05011-BS2)				Prepared: 06	5/27/05 Analyzed:	07/05/05
<b>Laboratory Control Sample (5G05011-BS2)</b> Antimony	48.8	1.0	ug/Wipe	Prepared: 06 50.0	5/27/05 Analyzed: 98	07/05/05 80-120
	48.8 47.7	1.0 1.0	ug/Wipe	•		
Antimony			ug/Wipe	50.0	98	80-120
Antimony Arsenic	47.7	1.0	"	50.0 50.0	98 95	80-120 80-120
Antimony Arsenic Barium	47.7 47.5	1.0 5.0	"	50.0 50.0 50.0	98 95 95	80-120 80-120 80-120
Antimony Arsenic Barium Beryllium	47.7 47.5 48.7	1.0 5.0 0.20	"	50.0 50.0 50.0 50.0	98 95 95 97	80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium	47.7 47.5 48.7 47.0	1.0 5.0 0.20 0.60	" "	50.0 50.0 50.0 50.0 50.0	98 95 95 97 94	80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium	47.7 47.5 48.7 47.0 50.2	1.0 5.0 0.20 0.60 10	" " " " " " " " " " " " " " " " " " " "	50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100	80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	47.7 47.5 48.7 47.0 50.2 50.2	1.0 5.0 0.20 0.60 10 2.0	" " " " " " " " " " " " " " " " " " " "	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100	80-120 80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper	47.7 47.5 48.7 47.0 50.2 50.2 50.6	1.0 5.0 0.20 0.60 10 2.0 5.0	" " " " " " " "	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100 100	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead	47.7 47.5 48.7 47.0 50.2 50.2 50.6 50.1	1.0 5.0 0.20 0.60 10 2.0 5.0	"	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100 100 101	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum	47.7 47.5 48.7 47.0 50.2 50.2 50.6 50.1 48.1	1.0 5.0 0.20 0.60 10 2.0 5.0 5.0		50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100 100 101 100 96	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel	47.7 47.5 48.7 47.0 50.2 50.2 50.6 50.1 48.1 49.4	1.0 5.0 0.20 0.60 10 2.0 5.0 5.0 2.0		50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100 100 101 100 96	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium	47.7 47.5 48.7 47.0 50.2 50.2 50.6 50.1 48.1 49.4 45.3	1.0 5.0 0.20 0.60 10 2.0 5.0 2.0 8.0 1.0		50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100 100 101 100 96 99	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver	47.7 47.5 48.7 47.0 50.2 50.2 50.6 50.1 48.1 49.4 45.3 49.3	1.0 5.0 0.20 0.60 10 2.0 5.0 2.0 8.0 1.0		50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	98 95 95 97 94 100 100 101 100 96 99 91	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120

RPD



Dept. of Toxic Substances Contol-Berkeley	Project:OEHHA Playground Study	MOF0858
700 Heinz Avenue, Suite 100	Project Number:-	Reported:
Berkeley CA, 94710	Project Manager:Myrto Petreas	08/04/05 16:42

# Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Spike

Source

%REC

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5F27009 - EPA 7471A / EPA 747	1A									
Blank (5F27009-BLK1)				Prepared	& Analyz	ed: 06/27/0	05			
Mercury	ND	0.0050	ug/Wipe							_
<b>Laboratory Control Sample (5F27009-BS1)</b>				Prepared	& Analyz	ed: 06/27/0	)5			
Mercury	0.391	0.0050	ug/Wipe	0.400		98	75-125			
<b>Laboratory Control Sample (5F27009-BS2)</b>				Prepared	& Analyz	ed: 06/27/0	05			
Mercury	0.407	0.0050	ug/Wipe	0.400		102	75-125			





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F27024 - EPA 3550 Wipe / EPA 8270C

Blank (5F27024-BLK1)				Prepared: 06/27/05 Analyzed: 06/28/05
Acenaphthene	ND	5.0	ug/Wipe	
Acenaphthylene	ND	5.0	"	
Anthracene	ND	5.0	"	
Benzo (a) anthracene	ND	5.0	"	
Benzo (a) pyrene	ND	5.0	"	
Benzo (b) fluoranthene	ND	5.0	"	
Benzo (g,h,i) perylene	ND	10	"	
Benzo (k) fluoranthene	ND	5.0	"	
Benzoic acid	ND	10	"	
Benzyl alcohol	ND	10	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	
Bis(2-chloroethyl)ether	ND	10	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	
4-Bromophenyl phenyl ether	ND	5.0	"	
Butyl benzyl phthalate	ND	5.0	"	
4-Chloroaniline	ND	50	"	
2-Chloronaphthalene	ND	5.0	"	
4-Chloro-3-methylphenol	ND	5.0	"	
2-Chlorophenol	ND	5.0	"	
4-Chlorophenyl phenyl ether	ND	10	"	
Chrysene	ND	5.0	"	
Dibenz (a,h) anthracene	ND	5.0	"	
Dibenzofuran	ND	5.0	"	
Di-n-butyl phthalate	ND	5.0	"	
1,2-Dichlorobenzene	ND	10	"	
1,3-Dichlorobenzene	ND	10	"	
1,4-Dichlorobenzene	ND	10	"	
3,3´-Dichlorobenzidine	ND	50	"	
2,4-Dichlorophenol	ND	5.0	"	
Diethyl phthalate	ND	5.0	"	
2,4-Dimethylphenol	ND	10	"	
Dimethyl phthalate	ND	5.0	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	
2,4-Dinitrophenol	ND	10	"	
2,4-Dinitrotoluene	ND	5.0	"	

Sequoia Analytical - Morgan Hill



Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOF0858700 Heinz Avenue, Suite 100Project Number:-Reported:Berkeley CA, 94710Project Manager:Myrto Petreas08/04/05 16:42

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F27024 - EPA 3550 Wipe / EPA 8270C

Blank (5F27024-BLK1)				Prepared: 06/27/05 Analyzed: 06/28/05
2,6-Dinitrotoluene	ND	5.0	ug/Wipe	
Di-n-octyl phthalate	ND	10	"	
Fluoranthene	ND	5.0	"	
Fluorene	ND	5.0	"	
Hexachlorobenzene	ND	5.0	"	
Hexachlorobutadiene	ND	10	"	
Hexachlorocyclopentadiene	ND	10	"	
Hexachloroethane	ND	10	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	
Isophorone	ND	5.0	"	
2-Methylnaphthalene	ND	5.0	"	
2-Methylphenol	ND	5.0	"	
4-Methylphenol	ND	5.0	"	
Naphthalene	ND	5.0	"	
2-Nitroaniline	ND	10	"	
3-Nitroaniline	ND	100	"	
4-Nitroaniline	ND	50	"	
Nitrobenzene	ND	5.0	"	
2-Nitrophenol	ND	5.0	"	
4-Nitrophenol	ND	10	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	
N-Nitrosodiphenylamine	ND	10	"	
Pentachlorophenol	ND	10	"	
Phenanthrene	ND	5.0	"	
Phenol	ND	5.0	"	
Pyrene	ND	5.0	"	
1,2,4-Trichlorobenzene	ND	10	"	
2,4,5-Trichlorophenol	ND	5.0	"	
2,4,6-Trichlorophenol	ND	5.0	"	
Surrogate: 2-Fluorophenol	78.8		"	100 79 25-121
Surrogate: Phenol-d6	90.4		"	100 90 24-113
Surrogate: Nitrobenzene-d5	42.0		"	50.0 84 23-120
Surrogate: 2-Fluorobiphenyl	43.0		"	50.0 86 30-115
Surrogate: 2,4,6-Tribromophenol	83.6		"	100 84 19-122
Surrogate: p-Terphenyl-d14	41.7		"	50.0 83 18-137

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 5F27024 - EPA 3550 Wipe / EPA 8270C

<b>Laboratory Control Sample (5F27024-BS1)</b>							
Acenaphthene	45.4	5.0	ug/Wipe	50.0	91	31-137	
Acenaphthylene	45.5	5.0	"	50.0	91	0-200	
Anthracene	48.0	5.0	"	50.0	96	0-200	
Benzo (a) anthracene	47.6	5.0	"	50.0	95	0-200	
Benzo (a) pyrene	47.5	5.0	"	50.0	95	0-200	
Benzo (b) fluoranthene	45.8	5.0	"	50.0	92	0-200	
Benzo (g,h,i) perylene	37.7	10	"	50.0	75	0-200	
Benzo (k) fluoranthene	44.7	5.0	"	50.0	89	0-200	
Benzyl alcohol	47.0	10	"	50.0	94	0-200	
Bis(2-chloroethoxy)methane	42.8	5.0	"	50.0	86	0-200	
Bis(2-chloroethyl)ether	31.2	10	"	50.0	62	0-200	
Bis(2-chloroisopropyl)ether	38.8	5.0	"	50.0	78	0-200	
Bis(2-ethylhexyl)phthalate	47.3	10	"	50.0	95	0-200	
4-Bromophenyl phenyl ether	45.0	5.0	"	50.0	90	0-200	
Butyl benzyl phthalate	46.2	5.0	"	50.0	92	0-200	
4-Chloroaniline	35.9	50	"	50.0	72	0-200	
2-Chloronaphthalene	42.3	5.0	"	50.0	85	0-200	
4-Chloro-3-methylphenol	47.2	5.0	"	50.0	94	26-103	
2-Chlorophenol	43.6	5.0	"	50.0	87	25-102	
4-Chlorophenyl phenyl ether	45.1	10	"	50.0	90	0-200	
Chrysene	44.6	5.0	"	50.0	89	0-200	
Dibenz (a,h) anthracene	50.5	5.0	"	50.0	101	0-200	
Dibenzofuran	43.7	5.0	"	50.0	87	0-200	
Di-n-butyl phthalate	50.9	5.0	"	50.0	102	0-200	
1,2-Dichlorobenzene	40.2	10	"	50.0	80	0-200	
1,3-Dichlorobenzene	40.6	10	"	50.0	81	0-200	
1,4-Dichlorobenzene	40.7	10	"	50.0	81	28-104	
2,4-Dichlorophenol	44.9	5.0	"	50.0	90	0-200	
Diethyl phthalate	47.4	5.0	"	50.0	95	0-200	
2,4-Dimethylphenol	39.5	10	"	50.0	79	0-200	
Dimethyl phthalate	45.0	5.0	"	50.0	90	0-200	
4,6-Dinitro-2-methylphenol	45.6	5.0	"	50.0	91	0-200	
2,4-Dinitrophenol	51.9	10	"	50.0	104	0-200	
2,4-Dinitrotoluene	48.7	5.0	"	50.0	97	28-89	QL06
2,6-Dinitrotoluene	48.2	5.0	"	50.0	96	0-200	
Di-n-octyl phthalate	47.0	10	"	50.0	94	0-200	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F27024 - EPA 355	) Wipe / ]	EPA 8270C
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<b>Laboratory Control Sample (5F27024-BS1)</b>				Prepared: 06	5/27/05 Analyzed:	06/28/05		
Fluoranthene	54.6	5.0	ug/Wipe	50.0	109	0-200		
Fluorene	47.9	5.0	"	50.0	96	0-200		
Hexachlorobenzene	45.8	5.0	"	50.0	92	0-200		
Hexachlorobutadiene	41.4	10	"	50.0	83	0-200		
Hexachlorocyclopentadiene	45.4	10	"	50.0	91	0-200		
Hexachloroethane	39.7	10	"	50.0	79	0-200		
Indeno (1,2,3-cd) pyrene	48.8	10	"	50.0	98	0-200		
Isophorone	37.8	5.0	"	50.0	76	0-200		
2-Methylnaphthalene	45.3	5.0	"	50.0	91	0-200		
2-Methylphenol	44.4	5.0	"	50.0	89	0-200		
4-Methylphenol	51.1	5.0	"	25.0	204	0-200	Q	QL06
Naphthalene	44.7	5.0	"	50.0	89	0-200		
2-Nitroaniline	45.3	10	"	50.0	91	0-200		
3-Nitroaniline	39.4	100	"	50.0	79	0-200		
4-Nitroaniline	46.4	50	"	50.0	93	0-200		
Nitrobenzene	42.0	5.0	"	50.0	84	0-200		
2-Nitrophenol	43.3	5.0	"	50.0	87	0-200		
4-Nitrophenol	50.0	10	"	50.0	100	11-114		
N-Nitrosodi-n-propylamine	46.4	5.0	"	50.0	93	41-126		
N-Nitrosodiphenylamine	54.2	10	"	50.0	108	0-200		
Pentachlorophenol	50.9	10	"	50.0	102	17-109		
Phenanthrene	48.3	5.0	"	50.0	97	0-200		
Phenol	45.0	5.0	"	50.0	90	26-90		
Pyrene	41.7	5.0	"	50.0	83	35-142		
1,2,4-Trichlorobenzene	42.4	10	"	50.0	85	38-107		
2,4,5-Trichlorophenol	44.8	5.0	"	50.0	90	0-200		
2,4,6-Trichlorophenol	44.8	5.0	"	50.0	90	0-200		
Surrogate: 2-Fluorophenol	83.3		"	100	83	25-121		
Surrogate: Phenol-d6	88.2		"	100	88	24-113		
Surrogate: Nitrobenzene-d5	40.1		"	50.0	80	23-120		
Surrogate: 2-Fluorobiphenyl	42.2		"	50.0	84	30-115		
Surrogate: 2,4,6-Tribromophenol	92.9		"	100	93	19-122		
Surrogate: p-Terphenyl-d14	39.8		"	50.0	80	18-137		





Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

<b>Batch 5F2702</b> 4	l - EPA 3550 Wipe	e / EPA 8270C

<b>Laboratory Control Sample Dup (5</b> )	F27024-BSD1)			Prepared: 06/2	27/05 Analyzed	1: 06/28/05			
Acenaphthene	45.5	5.0	ug/Wipe	50.0	91	31-137	0.2	40	
Acenaphthylene	45.3	5.0	"	50.0	91	0-200	0.4	200	
Anthracene	48.4	5.0	"	50.0	97	0-200	0.8	200	
Benzo (a) anthracene	47.5	5.0	"	50.0	95	0-200	0.2	200	
Benzo (a) pyrene	48.0	5.0	"	50.0	96	0-200	1	200	
Benzo (b) fluoranthene	46.9	5.0	"	50.0	94	0-200	2	200	
Benzo (g,h,i) perylene	37.1	10	"	50.0	74	0-200	2	200	
Benzo (k) fluoranthene	43.7	5.0	"	50.0	87	0-200	2	200	
Benzyl alcohol	46.9	10	"	50.0	94	0-200	0.2	200	
Bis(2-chloroethoxy)methane	42.7	5.0	"	50.0	85	0-200	0.2	200	
Bis(2-chloroethyl)ether	41.3	10	"	50.0	83	0-200	28	200	
Bis(2-chloroisopropyl)ether	39.5	5.0	"	50.0	79	0-200	2	200	
Bis(2-ethylhexyl)phthalate	46.2	10	"	50.0	92	0-200	2	200	
4-Bromophenyl phenyl ether	45.2	5.0	"	50.0	90	0-200	0.4	200	
Butyl benzyl phthalate	45.3	5.0	"	50.0	91	0-200	2	200	
4-Chloroaniline	33.1	50	"	50.0	66	0-200	8	200	
2-Chloronaphthalene	43.0	5.0	"	50.0	86	0-200	2	200	
4-Chloro-3-methylphenol	45.5	5.0	"	50.0	91	26-103	4	40	
2-Chlorophenol	43.0	5.0	"	50.0	86	25-102	1	40	
4-Chlorophenyl phenyl ether	45.4	10	"	50.0	91	0-200	0.7	200	
Chrysene	44.3	5.0	"	50.0	89	0-200	0.7	200	
Dibenz (a,h) anthracene	50.3	5.0	"	50.0	101	0-200	0.4	200	
Dibenzofuran	44.1	5.0	"	50.0	88	0-200	0.9	200	
Di-n-butyl phthalate	50.5	5.0	"	50.0	101	0-200	0.8	200	
1,2-Dichlorobenzene	40.7	10	"	50.0	81	0-200	1	200	
1,3-Dichlorobenzene	40.5	10	"	50.0	81	0-200	0.2	200	
1,4-Dichlorobenzene	41.4	10	"	50.0	83	28-104	2	40	
2,4-Dichlorophenol	44.5	5.0	"	50.0	89	0-200	0.9	200	
Diethyl phthalate	46.9	5.0	"	50.0	94	0-200	1	200	
2,4-Dimethylphenol	38.2	10	"	50.0	76	0-200	3	200	
Dimethyl phthalate	44.6	5.0	"	50.0	89	0-200	0.9	200	
4,6-Dinitro-2-methylphenol	43.5	5.0	"	50.0	87	0-200	5	200	
2,4-Dinitrophenol	48.3	10	"	50.0	97	0-200	7	200	
2,4-Dinitrotoluene	47.3	5.0	"	50.0	95	28-89	3	40	QL0
2,6-Dinitrotoluene	47.9	5.0	"	50.0	96	0-200	0.6	200	
Di-n-octyl phthalate	46.0	10	"	50.0	92	0-200	2	200	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 Reported: 08/04/05 16:42

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Laboratory Control Sample Dup (5F2	27024-BSD1)			Prepared: 06/27/05 Analyzed: 06/28/05							
Fluoranthene	53.2	5.0	ug/Wipe	50.0	106	0-200	3	200			
Fluorene	47.2	5.0	"	50.0	94	0-200	1	200			
Hexachlorobenzene	45.4	5.0	"	50.0	91	0-200	0.9	200			
Hexachlorobutadiene	42.0	10	"	50.0	84	0-200	1	200			
Hexachlorocyclopentadiene	44.1	10	"	50.0	88	0-200	3	200			
Hexachloroethane	39.3	10	"	50.0	79	0-200	1	200			
Indeno (1,2,3-cd) pyrene	48.4	10	"	50.0	97	0-200	0.8	200			
Isophorone	38.1	5.0	"	50.0	76	0-200	0.8	200			
2-Methylnaphthalene	45.2	5.0	"	50.0	90	0-200	0.2	200			
2-Methylphenol	43.8	5.0	"	50.0	88	0-200	1	200			
4-Methylphenol	49.4	5.0	"	25.0	198	0-200	3	200			
Naphthalene	45.4	5.0	"	50.0	91	0-200	2	200			
2-Nitroaniline	44.5	10	"	50.0	89	0-200	2	200			
3-Nitroaniline	37.4	100	"	50.0	75	0-200	5	200			
4-Nitroaniline	44.9	50	"	50.0	90	0-200	3	200			
Nitrobenzene	42.8	5.0	"	50.0	86	0-200	2	200			
2-Nitrophenol	43.5	5.0	"	50.0	87	0-200	0.5	200			
4-Nitrophenol	49.3	10	"	50.0	99	11-114	1	40			
N-Nitrosodi-n-propylamine	45.6	5.0	"	50.0	91	41-126	2	40			
N-Nitrosodiphenylamine	54.2	10	"	50.0	108	0-200	0	200			
Pentachlorophenol	46.4	10	"	50.0	93	17-109	9	40			
Phenanthrene	48.1	5.0	"	50.0	96	0-200	0.4	200			
Phenol	44.5	5.0	"	50.0	89	26-90	1	40			
Pyrene	40.7	5.0	"	50.0	81	35-142	2	40			
1,2,4-Trichlorobenzene	41.8	10	"	50.0	84	38-107	1	40			
2,4,5-Trichlorophenol	44.0	5.0	"	50.0	88	0-200	2	200			
2,4,6-Trichlorophenol	43.6	5.0	"	50.0	87	0-200	3	200			
Surrogate: 2-Fluorophenol	83.8		"	100	84	25-121					
Surrogate: Phenol-d6	88.9		"	100	89	24-113					
Surrogate: Nitrobenzene-d5	41.3		"	50.0	83	23-120					
Surrogate: 2-Fluorobiphenyl	43.1		"	50.0	86	30-115					
Surrogate: 2,4,6-Tribromophenol	92.6		"	100	93	19-122					
Surrogate: p-Terphenyl-d14	39.8		"	50.0	80	18-137					



Project:OEHHA Playground Study Project Number:-Project Manager:Myrto Petreas MOF0858 **Reported:** 08/04/05 16:42

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control Sequoia Analytical - Petaluma

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Blank (5060042-BLK1)				Prepared: 06/30/	05 Analyze	d: 08/03/05	
Naphthalene	ND	66	ug/Wipe				
Acenaphthylene	ND	66	"				
Acenaphthene	ND	66	"				
Fluorene	ND	66	"				
Phenanthrene	ND	66	"				
Anthracene	ND	66	"				
Fluoranthene	ND	66	"				
Pyrene	ND	66	"				
Benzo (a) anthracene	ND	66	"				
Chrysene	ND	66	"				
Benzo (b+k) fluoranthene (total)	ND	130	"				
Benzo (b) fluoranthene	ND	66	"				
Benzo (k) fluoranthene	ND	66	"				
Benzo (a) pyrene	ND	66	"				
Indeno (1,2,3-cd) pyrene	ND	66	"				
Benzo (g,h,i) perylene	ND	66	"				
Dibenz (a,h) anthracene	ND	66	"				
Surrogate: Nitrobenzene-d5	36.0		"	100	36	50-150	S02
Surrogate: 2-Fluorobiphenyl	34.6		"	100	35	50-150	S02
Surrogate: Terphenyl-d14	46.6		"	100	47	50-150	S02





Dept. of Toxic Substances Contol-Berkeley	Project:OEHHA Playground Study	MOF0858
700 Heinz Avenue, Suite 100	Project Number:-	Reported:
Berkeley CA, 94710	Project Manager:Myrto Petreas	08/04/05 16:42

#### **Notes and Definitions**

S02 The surrogate recovery was below control limits.

QL06 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not

detected, data not impacted.

QB02 The method blank contains this analyte at a concentration above the method reporting limit.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

		,	<i>-)</i> ]]		
gronmental Protection Agency		MOF 0858	Dep	partment of Toxic Substances Hazardous Materiais Labo	Control
AZARDOUS MATERIALS	1. Authorizatio		HML No.	2. Page	ratories
AMPLE ANALYSIS REQUEST	i. Authorizatio	on Number	To	l raye	ξ.
			<u> </u>		-
No. 1	.4. Phone (5/1	0)540 -3003	7. TAT Level: (ch	neck one)	
	6. FAX (	-2305			
700 KEINZ AVE SUITE 10 REARPLEY CA 9471	0				
BEAKELEY CA 9471	<u> </u>		*1	2 3 4	
			* Unit Chief's Signature		
8. DATE SAMPLED: 6/21/05			9. Codes (fill in all	applicable codes)	
10. ACTIVITY: SCD SRPD CIB SMB.	FPB S	PPT Others	a. Office		
11. SAMPLING LOCATION			b. INDEX		
	a. EPA ID No.		c. PCA		
b. Site OFHHA PLAYGROUND	<u> SIUDY</u>		d. MPC		
c. Address	,		e. SITE		
Number Street	City	· ZIP·	f. County	de la companya de la	R. Sta.
12 SAMPLES:	•	Sample	Container .		
a. ID b. Collector's No.	c. HML No.		ype f. Size	g. Field Information	-
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13, ANALYSIS REQUES	TED: (X desired	d <u>analysis and enter</u>		<del></del>	
INORGANIC ANALYSIS Sample	(s) ID	ORGANIC ANA		Sample(s) ID	
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Metals Scan (9940) 6 12 0 A 6 C		OP-Pesticides	· · · · · · · · · · · · · · · · · · ·		
Metal(s) Specific	<u>-</u>	PCBs (8082)		<u> </u>	
WET	· · · · · · · · · · · · · · · · · · ·	GRO (8015	<del></del>		
Cyanides			Oil / Both (circle one)		-
X. Ha 7471 (others, write in) V. E.	<del> </del>		ractables (1664)		-
(others, write In)		Flash Point (*			
TCLP Analysis			ng BTEX (8260)		
	P regardless)	VOCs - LO Le		· · · · · · · · · · · · · · · · · · ·	
Metals		VOCs - HI Lev	•		
Mercury	<del></del> .	SVOCs (8270	))		
Volatiles		PAHs (8270)			
Semivolatiles		<del>                                     </del>			-
(others, write in)		<u></u>	(others, write		
14. ANALYSIS OBJECTIVE: Waste Charact	***************************************	***************	Treatment Standa	recorrection and an experience of the contraction o	
(check a box) Drinking H <sub>2</sub> O S	tandards (appl	lies to DW only)	Other's (c	ontact Lab supervisors first)	_
15. DETECTION LIMIT REQUIREMENTS: A5 201	W AS .	POSSIBLE		<u>·</u>	
16. SUPPLEMENTAL	[ ]			Initials	_
REQUESTS	···			Date	
17. LAB REMARKS:	<u> </u>				
POLYESTER WIPES WETTED WI	TH WATER	IN GLASS	CONTAI	vers	a
18. CHAIN OF CUSTODY:	10 - 000 0				1
a Charles Viden CHARLES	VIDHIR		06 2105	_ to 06 23 05	
b. Which Chard Dinesh	Chans	d	196 33 08	to 06 23 05	0
Marie MA	PRICE		6 23 05	1/50	0
API API	100	· ·	639	to (63)	
Signature(s)	Name(s) / Tit	(a (e)	- <del></del>	sive Dates of Custody	

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

••••••••••••••••••••••••••••••••••••••	D ATTACH RECORD OF RESOLUTION.	ORD OF F	TTACH RE	INAGER AND A	*IF CIRCLED, CONTACT PROJECT MANAGER AN	CLED, C	*IF CIR		Revision 6
THE STATE OF THE S		and the second			A THE CONTEST OF THE PROPERTY	New Property Company			of Rioblem COC \
						-		ETALS) / DFF ON ICE	**Exception (if any): WETALS) / DFF ON ICE
								es requiring thermal pres.)	(Acceptance range for sample
								Yes (Mo	ls temp 4 +/-2°C?
					\			120	14. Temp Rec. at Lab:
			-					Yes/Ne	(circle which, if yes)
				1				lank Received?	13. Trip Blank / Temp Blank Received?
				7				(Ces / No*	used?
	•		1	7 20					12. Proper Preservatives
			72	701				€66/No*	received?
			7	,					11. Adequate sample volume
	7		•			,		Yes / No*	hold time?
	\ \	• ,							10. Sample received within
								Yes/No*	agree?
	S. C.	·			,			sample labels	traffic reports and sample labels
	2			,	-			Does information on chain-of-custody,	9. Does information o
							Ť	Leaking*	
	•	ر	( )	٦			12	Intact / Broken* /	8. Sample Condition:
				-	×		<u> </u>	on Chain-of-Custody	
				,	2		00	Lighted / Not Listed	7. Sample IDs:
		-			1-4		م د	Present / Absent	6. Sample Labels:
					1		Q	_	5. Airbill #:
	7			:	S		62	Present / Absent	-
					7		. 10.	Airbill / Sticker	4. Airbill:
				_	(1.1\		۲۹	Present / Absent	Packing List:
					þ		470)		
					^		b)	Present / Absent*	2. Chain-of-Custody
•	1 .	→  -  -  -	fo.	1	O <sub>2</sub>		62	Intact / Broken*	
	1	テージを		E 24 /1600	<i>b</i>		4)	Present / Absent	1. Custody Seal(s)
REMARKS: CONDITION (ETC.)	LE DATE	PH SAMPLE MATRIX	PRESERV P	CONTAINER PI	CLIENT ID I	DASH #	LAB SAMPLE#	CIRCLE THE APPROPRIATE RESPONSE	CIRCLE THE APPR
clients requiring preservation checks at receipt, document here ↓)	on checks at rece	j preservatio	ents requiring	(For clie		! !	,		•
	WASTE WATER		25-64	4-25	DATE LOGGED IN:	1 1	58	Moto \$58	WORKORDER:
VATER YES/(NO	DRINKING WATER	-		1630	TIME REC'D AT LAB:			244	REC, BY (PRINT)
For Regulatory Purposes?	For Regulate			6/22/2	DATE REC'D AT LAB:			Dt3C	CLIENT NAME:

Rev 5 (06/07/04) 7/13/04



4 August, 2005

Myrto Petreas Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley, CA 94710

RE: OEHHA Playground Study

Grever aller

Work Order: MOF0960

Enclosed are the results of analyses for samples received by the laboratory on 06/28/05 16:22. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen Project Manager

CA ELAP Certificate #1210





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 Reported: 08/04/05 16:47

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A	MOF0960-01	Wipe	06/27/05 00:00	06/28/05 16:22
В	MOF0960-02	Wipe	06/27/05 00:00	06/28/05 16:22
C	MOF0960-03	Wipe	06/27/05 00:00	06/28/05 16:22
D	MOF0960-04	Wipe	06/27/05 00:00	06/28/05 16:22
E	MOF0960-05	Wipe	06/27/05 00:00	06/28/05 16:22
F	MOF0960-06	Wipe	06/27/05 00:00	06/28/05 16:22
G	MOF0960-07	Wipe	06/27/05 00:00	06/28/05 16:22
Н	MOF0960-08	Wipe	06/27/05 00:00	06/28/05 16:22
I	MOF0960-09	Wipe	06/27/05 00:00	06/28/05 16:22
J	MOF0960-10	Wipe	06/27/05 00:00	06/28/05 16:22
K	MOF0960-11	Wipe	06/27/05 00:00	06/28/05 16:22
L	MOF0960-12	Wipe	06/27/05 00:00	06/28/05 16:22





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# **Total Metals by EPA 6020 ICPMS Sequoia Analytical - Morgan Hill**

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A (MOF0960-01) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Aluminum	40	5 2.0	ug/Wipe	20	5G07010	07/06/05	07/07/05	EPA 6020	
<b>B</b> (MOF0960-02) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Aluminum	50	5 2.0	ug/Wipe	20	5G07010	07/06/05	07/07/05	EPA 6020	
C (MOF0960-03) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Aluminum	840	10	ug/Wipe	100	5G07010	07/06/05	07/07/05	EPA 6020	



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 Reported: 08/04/05 16:47

# Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
A (MOF0960-01) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Calcium	1200	12	ug/Wipe	1	5G06014	07/06/05	07/08/05	EPA 6010B	
Iron	130	5.0	"	"	"	"	"	"	
Potassium	ND	100	"	"	"	"	"	"	
Antimony	96	1.0	"	20	5G07010	"	07/07/05	EPA 6020	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	6.9	5.0	"	"	"	"	"	"	
Beryllium	ND		"	"	"	"	"	"	
Cadmium	ND	0.60	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Cobalt	ND		"	"	"	"	"	"	
Copper	ND	5.0	"	"	"	"	"	"	
Lead	ND	5.0	"	"	"	"	"	"	
Molybdenum	ND	2.0	"	"	"	"	"	"	
Nickel	ND	8.0	"	"	"	"	"	"	
Selenium	ND	1.0	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	
Zinc	45	10	"	"	"	"	"	"	
Magnesium	31	2.5	"	1	5G06014	"	07/08/05	EPA 6010B	
B (MOF0960-02) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Calcium	1700	12	ug/Wipe	1	5G06014	07/06/05	07/08/05	EPA 6010B	
Iron	130	5.0	"	"	"	"	"	"	
Potassium	ND	100	"	"	"	"	"	"	
Antimony	110	1.0	"	20	5G07010	"	07/07/05	EPA 6020	
Arsenic	ND	1.0	"	"	"	"	"	"	
Barium	9.8	5.0	"	"	"	"	"	"	
Beryllium	ND	0.20	"	"	"	"	"	"	
Cadmium	ND	0.60	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Copper	ND	5.0	"	"	"	"	"	"	
Lead	ND	5.0	"	"	"	"	"	"	
Molybdenum	ND	2.0	"	"	"	"	"	"	
Nickel	ND	8.0	"	"	"	"	"	"	
	ND		"	"	"	"	"	"	
Selenium							,,	"	
	ND	1.0	"	"	"	"	"	"	
Selenium Silver Thallium			"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 Reported: 08/04/05 16:47

## Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B (MOF0960-02) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						•
Zinc	61	10	ug/Wipe	20	5G07010	07/06/05	07/07/05	EPA 6020	
Magnesium	40	2.5	"	1	5G06014	"	07/08/05	EPA 6010B	
C (MOF0960-03) Wipe	Sampled: 06/27/05 00:00	Received: 06/2	8/05 16:22						
Calcium	1800	12	ug/Wipe	1	5G06014	07/06/05	07/08/05	EPA 6010B	
Iron	1300	5.0	"	"	"	"	"	"	
Potassium	110	100	"	"	"	"	07/11/05	"	
Antimony	140	1.0	"	20	5G07010	"	07/07/05	EPA 6020	
Arsenic	NI	1.0	"	"	"	"	"	"	
Barium	20	5.0	"	"	"	"	"	"	
Beryllium	NI	0.20	"	"	"	"	"	"	
Cadmium	NE	0.60	"	"	"	"	"	"	
Chromium	NE	10	"	"	"	"	"	"	
Cobalt	NE	2.0	"	"	"	"	"	"	
Copper	NE	5.0	"	"	"	"	"	"	
Lead	NE	5.0	"	"	"	"	"	"	
Molybdenum	NE	2.0	"	"	"	"	"	"	
Nickel	NE	8.0	"	"	"	"	"	"	
Selenium	NE	1.0	"	"	"	"	"	"	
Silver	NE	1.0	"	"	"	"	"	"	
Thallium	NI	1.0	"	"	"	"	"	"	
Vanadium	NI	2.0	"	"	"	"	"	"	
Zinc	50	5 10	"	"	"	"	"	"	
Magnesium	340	2.5	"	1	5G06014	"	07/08/05	EPA 6010B	



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

## Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D (MOF0960-04) Wipe	Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Mercury E (MOF0960-05) Wipe	ND Sampled: 06/27/05 00:00		ug/Wipe 3/05 16:22	1	5G13012	07/13/05	07/13/05	EPA 7471A	
Mercury F (MOF0960-06) Wipe	ND Sampled: 06/27/05 00:00		ug/Wipe 8/05 16:22	1	5G13012	07/13/05	07/13/05	EPA 7471A	
Mercury	0.0068	0.0050	ug/Wipe	1	5G13012	07/13/05	07/13/05	EPA 7471A	





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

		sequoia Aiia	3						
Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>G (MOF0960-07) Wipe</b>	Sampled: 06/27/05 00:00	Received: 06/2	8/05 16:22						
Acenaphthene	NE	5.0	ug/Wipe	1	5F29033	06/29/05	06/30/05	EPA 8270C	
Acenaphthylene	NE	5.0	"	"	"	"	"	"	
Anthracene	NE	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	NE	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	NE	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	NE	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	NE	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	NE	5.0	"	"	"	"	"	"	
Benzoic acid	NE	10	"	"	"	"	"	"	
Benzyl alcohol	NE		"	"	"	"	"	"	
Bis(2-chloroethoxy)metha			"	"	"	"	"	"	
Bis(2-chloroethyl)ether	NE	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)eth			"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalat			"	"	"	"	"	"	
4-Bromophenyl phenyl et			"	"	"	"	"	"	
Butyl benzyl phthalate	NE		"	"	"	"	"	"	
4-Chloroaniline	NE		"	"	"	"	"	"	
2-Chloronaphthalene	NE		"	"	"	"	"	"	
4-Chloro-3-methylphenol			"	"	"	"	"	"	
2-Chlorophenol	NE		"	"	"	"	"	"	
4-Chlorophenyl phenyl et			"	"	"	"	"	"	
Chrysene	NE NE		"	"	"	"	"	"	
Dibenz (a,h) anthracene	NE		"	"	"	"	"	"	
Dibenzofuran	NE		"	"	"	"	"	"	
Di-n-butyl phthalate	NE		"	"	"	"	"	"	
1,2-Dichlorobenzene	NE		"	"	"	"	"	"	
1,3-Dichlorobenzene	NE		"	"	"	"	"	"	
1,4-Dichlorobenzene	NE		"	"	"	"	"	"	
3,3'-Dichlorobenzidine	NE		"	"	"	"	"	"	
2,4-Dichlorophenol	NE		"	"	"	"	"	"	
Diethyl phthalate	NE		"	"	"	"	"	"	
2,4-Dimethylphenol	NE		"	"	"	"	"	"	
Dimethyl phthalate	NE NE		"	"	"	"	"	"	
4,6-Dinitro-2-methylphen			"	"	"	"	"	"	
2,4-Dinitrophenol	NE NE		"	"	"	"	"	"	
2,4-Dinitrotoluene	NE NE		"	"	"	"	"	"	
2,6-Dinitrotoluene	NE NE		"	"	"	"	"	"	
Di-n-octyl phthalate	NE NE		"	"	"	"	"	"	
Fluoranthene	NE NE		"	"	"	"	"	"	
Fluorene	NE NE		"	"	"	,,	,,	"	
Tuolelle	NL	, 5.0							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G (MOF0960-07) Wipe	Sampled: 06/27/05 00:00	Received: 06/2	8/05 16:22						
Hexachlorobenzene	ND		ug/Wipe	1	5F29033	06/29/05	06/30/05	EPA 8270C	
Hexachlorobutadiene	ND		"	"	"	"	"	"	
Hexachlorocyclopentadie			"	"	"	"	"	"	
Hexachloroethane	ND		"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND		"	"	"	"	"	"	
2-Methylphenol	ND		"	"	"	"	"	"	
4-Methylphenol	ND		"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND		"	"	"	"	"	"	
3-Nitroaniline	ND	100	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamir			"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluoropheno	ol	80 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		93 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-	15	82 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobiphe	nyl	86 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribrome	ophenol	95 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-d	14	80 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
				Dildiloil	Datell	1 repared	Anaryzeu	Memod	Notes
H (MOF0960-08) Wipe	Sampled: 06/27/05 00:00		8/05 16:22						
Acenaphthene	ND		ug/Wipe	1	5F29033	06/29/05	06/30/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND		"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND		"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methan	ne ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	n .	
Bis(2-chloroisopropyl)ethe	er ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate			"	"	"	"	"	"	
4-Bromophenyl phenyl eth		5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND		"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND		"	"	"	"	"	"	
2-Chlorophenol	ND		"	"	"	"	"	"	
4-Chlorophenyl phenyl eth			"	"	"	"	"	n .	
Chrysene	NE NE		"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		"	"	"	"	"	"	
Dibenzofuran	ND		"	"	"	"	"	"	
Di-n-butyl phthalate	ND		"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		"	"	"	"	"	"	
1,4-Dichlorobenzene	NE NE		"	"	"	"	"	"	
3,3'-Dichlorobenzidine	NE NE		"	"	"	"	"	"	
2,4-Dichlorophenol	NE NE		"	,,	"	"	,,	"	
Diethyl phthalate	NE NE		,,	,,	"	"	"	"	
2,4-Dimethylphenol	NE NE		,,	"	"	"	"	"	
Dimethyl phthalate	NE NE		,,	"	"	"	"	"	
4,6-Dinitro-2-methylpheno			,,	,,	"	"	"	"	
2,4-Dinitrophenol	NE NE		,,	"	"	"	"	"	
2,4-Dinitrophenol	NE NE		,,	"	"	"	"	"	
2,4-Dinitrotoluene	NE NE		,,	,,	"	"	"	"	
·	NE NE		,,	,,	"	"	,,	,,	
Di-n-octyl phthalate			,,	,,	"	"	,,	"	
Fluoranthene	ND		,,		"				
Fluorene	ND	5.0			"		.,		

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H (MOF0960-08) Wipe San	mpled: 06/27/05 00:00	Received: 06/2	8/05 16:22						
Hexachlorobenzene	ND	5.0	ug/Wipe	1	5F29033	06/29/05	06/30/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND		"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND		"	"	"	"	"	"	
Naphthalene	NE		"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND		"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND		"	"	"	"	"	"	
4-Nitrophenol	ND		"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		"	"	"	"	"	"	
Pentachlorophenol	ND		"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND		"	"	"	"	"	"	
Pyrene	ND		"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		78 %	25-1	21	"	"	"	"	
Surrogate: Phenol-d6		88 %	24-1	13	"	"	"	"	
Surrogate: Nitrobenzene-d5		80 %	23-1	20	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		85 %	30-1	15	"	"	"	"	
Surrogate: 2,4,6-Tribromopher	nol	89 %	19-1	22	"	"	"	"	
Surrogate: p-Terphenyl-d14		80 %	18-1	37	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
I (MOF0960-09) Wipe Sampled: 06/27/0						.,			
Acenaphthene	ND	5.0	ug/Wipe	1	5F29033	06/29/05	06/30/05	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	50	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I (MOF0960-09) Wipe Sar	mpled: 06/27/05 00:00	Received: 06/28	/05 16:22						
Hexachlorobenzene	ND	5.0	ug/Wipe	1	5F29033	06/29/05	06/30/05	EPA 8270C	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND		"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND		"	"	"	"	"	"	
2-Nitroaniline	ND		"	"	"	"	"	"	
3-Nitroaniline	ND		"	"	"	"	"	"	
4-Nitroaniline	ND		"	"	"	"	"	"	
Nitrobenzene	ND		"	"	"	"	"	"	
2-Nitrophenol	ND		"	"	"	"	"	"	
4-Nitrophenol	ND		"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND		"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND		"	"	"	"	"	"	
Pentachlorophenol	ND		"	"	"	"	"	"	
Phenanthrene	ND		"	"	"	"	"	"	
Phenol	ND		"	"	"	"	"	"	
Pyrene	ND		"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND		"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		72 %	25-	121	"	"	"	"	
Surrogate: Phenol-d6		85 %	24-	113	"	"	"	"	
Surrogate: Nitrobenzene-d5		77 %	23-	120	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		84 %	30-	115	"	"	"	"	
Surrogate: 2,4,6-Tribromophe	enol	85 %	19-	122	"	"	"	"	
Surrogate: p-Terphenyl-d14		77 %	18-	137	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

## Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

		quoia Ai	iuij ticu	1 - 1 Cta					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J (MOF0960-10) Wipe Sampled: 06/	/27/05 00:00 Rece	ived: 06/28	/05 16:22						
Naphthalene	ND	0.82	ug/Wipe	1	5070002	07/01/05	08/04/05	GCMS-SIM	
Acenaphthylene	ND	0.82	"	"	"	"	"	"	
Acenaphthene	ND	0.82	"	"	"	"	"	"	
Fluorene	ND	0.82	"	"	"	"	"	"	
Phenanthrene	1.6	0.82	"	"	"	"	"	"	
Anthracene	ND	0.82	"	"	"	"	"	"	
Fluoranthene	ND	0.82	"	"	"	"	"	"	
Pyrene	4.3	0.82	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.82	"	"	"	"	"	"	
Chrysene	ND	0.82	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.6	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.82	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.82	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.82	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.82	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.82	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.82	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		51 %	50-1	150	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		55 %	50-1	150	"	"	"	"	
Surrogate: Terphenyl-d14		69 %	50-1	150	"	"	"	"	
K (MOF0960-11) Wipe Sampled: 06	5/27/05 00:00 Rec	eived: 06/2	8/05 16:22						
Naphthalene	ND	0.82	ug/Wipe	1	5070002	07/01/05	08/04/05	GCMS-SIM	
Acenaphthylene	ND	0.82	"	"	"	"	"	"	
Acenaphthene	ND	0.82	"	"	"	"	"	"	
Fluorene	ND	0.82	"	"	"	"	"	"	
Phenanthrene	1.7	0.82	"	"	"	"	"	"	
Anthracene	ND	0.82	"	"	"	"	"	"	
Fluoranthene	ND	0.82	"	"	"	"	"	"	
Pyrene	4.7	0.82	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.82	"	"	"	"	"	"	
Chrysene	ND	0.82	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.6	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.82	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.82	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.82	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.82	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.82	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.82	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring Sequoia Analytical - Petaluma

Analyte Rest	Reporting alt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K (MOF0960-11) Wipe Sampled: 06/27/05 00:00	Received: 06/2	8/05 16:22						
Surrogate: Nitrobenzene-d5	43 %	50-15	0	5070002	07/01/05	08/04/05	GCMS-SIM	S02
Surrogate: 2-Fluorobiphenyl	46 %	50-15	0	"	"	"	"	S02
Surrogate: Terphenyl-d14	73 %	50-15	0	"	"	"	"	
L (MOF0960-12) Wipe Sampled: 06/27/05 00:00	Received: 06/28	8/05 16:22						
Naphthalene N	D 0.82	ug/Wipe	1	5070002	07/01/05	08/04/05	GCMS-SIM	
Acenaphthylene N	D 0.82	"	"	"	"	"	"	
Acenaphthene N	D 0.82	"	"	"	"	"	"	
Fluorene N.	D 0.82	"	"	"	"	"	"	
Phenanthrene N.	D 0.82	"	"	"	"	"	"	
Anthracene N	D 0.82	"	"	"	"	"	"	
Fluoranthene N	D 0.82	"	"	"	"	"	"	
Pyrene 1	8 0.82	"	"	"	"	"	"	
Benzo (a) anthracene N	D 0.82	"	"	"	"	"	"	
Chrysene	D 0.82	"	"	"	"	"	m .	
Benzo (b+k) fluoranthene (total)	D 1.6	"	"	"	"	"	"	
Benzo (b) fluoranthene N	D 0.82	"	"	"	"	"	"	
Benzo (k) fluoranthene N	D 0.82	"	"	"	"	"	"	
Benzo (a) pyrene N	D 0.82	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene N	D 0.82	"	"	"	"	"	"	
Benzo (g,h,i) perylene N	D 0.82	"	"	"	"	"	"	
Dibenz (a,h) anthracene N	D 0.82	"	"	"	"	"	n n	
Surrogate: Nitrobenzene-d5	41 %	50-15	0	"	"	"	n .	S02
Surrogate: 2-Fluorobiphenyl	47 %	50-15	0	"	"	"	"	S02
Surrogate: Terphenyl-d14	72 %	50-15	0	"	"	"	"	



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

#### Total Metals by EPA 6020 ICPMS - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G07010 - EPA 3050B / EPA 6020	)									
Blank (5G07010-BLK1)				Prepared:	07/06/05	Analyzed	: 07/07/05			
Aluminum	ND	2.0	ug/Wipe							
<b>Laboratory Control Sample (5G07010-BS1)</b>				Prepared:	07/06/05	Analyzed	: 07/07/05			
Aluminum	47.4	2.0	ug/Wipe	50.0		95	80-120			
<b>Laboratory Control Sample (5G07010-BS2)</b>				Prepared:	07/06/05	Analyzed	: 07/07/05			
Aluminum	46.9	2.0	ug/Wipe	50.0	·	94	80-120	•		



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas

Spike

Source

MOF0960 **Reported:** 08/04/05 16:47

RPD

%REC

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5G06014 - EPA 3050B / EPA 6010	0B									
Blank (5G06014-BLK1)				Prepared:	07/06/05	Analyzed	1: 07/08/05			
Magnesium	ND	2.5	ug/Wipe							
Calcium	ND	12	"							
Iron	ND	5.0	"							
Potassium	ND	100	"							
Laboratory Control Sample (5G06014-BS1)				Prepared:	07/06/05	Analyzed	1: 07/08/05			
Magnesium	528	2.5	ug/Wipe	500		106	85-115			
Calcium	538	12	"	500		108	85-115			
Potassium	586	100	"	500		117	70-125			
Iron	52.5	5.0	"	50.0		105	85-115			
Laboratory Control Sample (5G06014-BS2)				Prepared:	07/06/05	Analyzed	1: 07/08/05			
Magnesium	522	2.5	ug/Wipe	500		104	85-115			
Calcium	535	12	"	500		107	85-115			
Potassium	531	100	"	500		106	70-125			
Iron	52.0	5.0	"	50.0		104	85-115			
Batch 5G07010 - EPA 3050B / EPA 6020	0									
Blank (5G07010-BLK1)				Prepared:	07/06/05	Analyzed	1: 07/07/05			
Antimony	ND	1.0	ug/Wipe							
Arsenic	ND	1.0	"							
Barium	ND	5.0	"							
Beryllium	ND	0.20	"							
Cadmium	ND	0.60	"							
Chromium	ND	10	"							
Cobalt	ND	2.0	"							
Copper	ND	5.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	2.0	"							
Nickel	ND	8.0	"							
Selenium	ND	1.0	"							
Silver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	10	"							



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 Reported: 08/04/05 16:47

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
D / 1 5005010	ED 4 2050D / ED 4 2020									

Batch 5G07010 - EPA 3050B / EPA 6020							
Laboratory Control Sample (5G07010-BS1)				Prepared: 07	/06/05 Analyzed	: 07/07/05	
Antimony	48.4	1.0	ug/Wipe	50.0	97	80-120	
Arsenic	47.9	1.0	"	50.0	96	80-120	
Barium	47.6	5.0	"	50.0	95	80-120	
Beryllium	45.7	0.20	"	50.0	91	80-120	
Cadmium	48.3	0.60	"	50.0	97	80-120	
Chromium	52.1	10	"	50.0	104	80-120	
Cobalt	51.2	2.0	"	50.0	102	80-120	
Copper	51.5	5.0	"	50.0	103	80-120	
Lead	52.4	5.0	"	50.0	105	80-120	
Molybdenum	48.9	2.0	"	50.0	98	80-120	
Nickel	51.1	8.0	"	50.0	102	80-120	
Selenium	47.0	1.0	"	50.0	94	80-120	
Silver	49.5	1.0	"	50.0	99	80-120	
Thallium	52.4	1.0	"	50.0	105	80-120	
Vanadium	49.2	2.0	"	50.0	98	80-120	
Zinc	52.0	10	"	50.0	104	80-120	
<b>Laboratory Control Sample (5G07010-BS2)</b>				Prepared: 07	/06/05 Analyzed	: 07/07/05	
Antimony	48.3	1.0	ug/Wipe	50.0	97	80-120	
Arsenic	47.1	1.0	"	50.0	94	80-120	
Barium	46.1	5.0	"	50.0	92	80-120	
Beryllium	44.6	0.20	"	50.0	89	80-120	
Cadmium	48.1	0.60	"	50.0	96	80-120	
Chromium	51.6	10	"	50.0	103	80-120	
Cobalt	50.9	2.0	"	50.0	102	80-120	
Copper	50.7	5.0	"	50.0	101	80-120	
Lead	51.9	5.0	"	50.0	104	80-120	
Molybdenum	48.3	2.0	"	50.0	97	80-120	
Nickel	50.0	8.0	"	50.0	100	80-120	
Selenium	45.5	1.0	"	50.0	91	80-120	
Silver	49.8	1.0	"	50.0	100	80-120	
Thallium	51.6	1.0	"	50.0	103	80-120	
Vanadium	48.2	2.0	"	50.0	96	80-120	
Zinc	51.9	10	"	50.0	104	80-120	

RPD



Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOF0960700 Heinz Avenue, Suite 100Project Number:SAU5734Reported:Berkeley CA, 94710Project Manager:Myrto Petreas08/04/05 16:47

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Spike

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5G13012 - EPA 7471A / EPA 747	71A	-								
Blank (5G13012-BLK1)				Prepared of	& Analyze	ed: 07/13/0	)5			
Mercury	ND	0.0050	ug/Wipe							
<b>Laboratory Control Sample (5G13012-BS1)</b>	)			Prepared of	& Analyze	ed: 07/13/0	)5			
Mercury	0.402	0.0050	ug/Wipe	0.400		100	75-125			
<b>Laboratory Control Sample (5G13012-BS2</b>	)			Prepared of	& Analyze	ed: 07/13/0	)5			
Mercury	0.400	0.0050	ug/Wipe	0.400		100	75-125			

%REC





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F29033 - EPA 3550 Wipe / EPA 8270C

Blank (5F29033-BLK1)				Prepared: 06/29/05 Analyzed: 06/30/05
Acenaphthene	ND	5.0	ug/Wipe	
Acenaphthylene	ND	5.0	"	
Anthracene	ND	5.0	"	
Benzo (a) anthracene	ND	5.0	"	
Benzo (a) pyrene	ND	5.0	"	
Benzo (b) fluoranthene	ND	5.0	"	
Benzo (g,h,i) perylene	ND	10	"	
Benzo (k) fluoranthene	ND	5.0	"	
Benzoic acid	ND	10	"	
Benzyl alcohol	ND	10	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	
Bis(2-chloroethyl)ether	ND	10	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	
4-Bromophenyl phenyl ether	ND	5.0	"	
Butyl benzyl phthalate	ND	5.0	"	
4-Chloroaniline	ND	50	"	
2-Chloronaphthalene	ND	5.0	"	
4-Chloro-3-methylphenol	ND	5.0	"	
2-Chlorophenol	ND	5.0	"	
4-Chlorophenyl phenyl ether	ND	10	"	
Chrysene	ND	5.0	"	
Dibenz (a,h) anthracene	ND	5.0	"	
Dibenzofuran	ND	5.0	"	
Di-n-butyl phthalate	ND	5.0	"	
1,2-Dichlorobenzene	ND	10	"	
1,3-Dichlorobenzene	ND	10	"	
1,4-Dichlorobenzene	ND	10	"	
3,3´-Dichlorobenzidine	ND	50	"	
2,4-Dichlorophenol	ND	5.0	"	
Diethyl phthalate	ND	5.0	"	
2,4-Dimethylphenol	ND	10	"	
Dimethyl phthalate	ND	5.0	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	
2,4-Dinitrophenol	ND	10	"	
2,4-Dinitrotoluene	ND	5.0	"	

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study
Project Number:SAU5734
Project Manager:Myrto Petreas

MOF0960 **Reported:** 08/04/05 16:47

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F29033 - EPA 3550 Wipe / EPA 8270C

Blank (5F29033-BLK1)				Prepared: 06/29/05 Analyzed: 06/30/05
2,6-Dinitrotoluene	ND	5.0	ug/Wipe	
Di-n-octyl phthalate	ND	10	"	
Fluoranthene	ND	5.0	"	
Fluorene	ND	5.0	"	
Hexachlorobenzene	ND	5.0	"	
Hexachlorobutadiene	ND	10	"	
Hexachlorocyclopentadiene	ND	10	"	
Hexachloroethane	ND	10	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	
Isophorone	ND	5.0	"	
2-Methylnaphthalene	ND	5.0	"	
2-Methylphenol	ND	5.0	"	
4-Methylphenol	ND	5.0	"	
Naphthalene	ND	5.0	"	
2-Nitroaniline	ND	10	"	
3-Nitroaniline	ND	100	"	
4-Nitroaniline	ND	50	"	
Nitrobenzene	ND	5.0	"	
2-Nitrophenol	ND	5.0	"	
4-Nitrophenol	ND	10	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	
N-Nitrosodiphenylamine	ND	10	"	
Pentachlorophenol	ND	10	"	
Phenanthrene	ND	5.0	"	
Phenol	ND	5.0	"	
Pyrene	ND	5.0	"	
1,2,4-Trichlorobenzene	ND	10	"	
2,4,5-Trichlorophenol	ND	5.0	"	
2,4,6-Trichlorophenol	ND	5.0	"	
Surrogate: 2-Fluorophenol	85.7		"	100 86 25-121
Surrogate: Phenol-d6	97.1		"	100 97 24-113
Surrogate: Nitrobenzene-d5	45.6		"	50.0 91 23-120
Surrogate: 2-Fluorobiphenyl	47.3		"	50.0 95 30-115
Surrogate: 2,4,6-Tribromophenol	88.1		"	100 88 19-122
Surrogate: p-Terphenyl-d14	44.6		"	50.0 89 18-137

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 5F29033 - EPA 3550	Wipe /	<b>EPA</b>	8270C
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<b>Laboratory Control Sample (5F29033-BS1)</b>		Prepared: 06/29/05 Analyzed: 06/30/05						
Acenaphthene	47.0	5.0	ug/Wipe	50.0	94	31-137		
Acenaphthylene	46.3	5.0	"	50.0	93	0-200		
Anthracene	48.4	5.0	"	50.0	97	0-200		
Benzo (a) anthracene	46.8	5.0	"	50.0	94	0-200		
Benzo (a) pyrene	48.5	5.0	"	50.0	97	0-200		
Benzo (b) fluoranthene	46.6	5.0	"	50.0	93	0-200		
Benzo (g,h,i) perylene	40.1	10	"	50.0	80	0-200		
enzo (k) fluoranthene	46.2	5.0	"	50.0	92	0-200		
enzyl alcohol	46.7	10	"	50.0	93	0-200		
Sis(2-chloroethoxy)methane	42.4	5.0	"	50.0	85	0-200		
is(2-chloroethyl)ether	39.3	10	"	50.0	79	0-200		
is(2-chloroisopropyl)ether	37.9	5.0	"	50.0	76	0-200		
sis(2-ethylhexyl)phthalate	47.9	10	"	50.0	96	0-200		
-Bromophenyl phenyl ether	44.7	5.0	"	50.0	89	0-200		
utyl benzyl phthalate	46.4	5.0	"	50.0	93	0-200		
Chloroaniline	36.1	50	"	50.0	72	0-200		
Chloronaphthalene	43.4	5.0	"	50.0	87	0-200		
Chloro-3-methylphenol	45.8	5.0	"	50.0	92	26-103		
Chlorophenol	42.7	5.0	"	50.0	85	25-102		
Chlorophenyl phenyl ether	45.4	10	"	50.0	91	0-200		
rysene	48.9	5.0	"	50.0	98	0-200		
benz (a,h) anthracene	40.5	5.0	"	50.0	81	0-200		
benzofuran	46.0	5.0	"	50.0	92	0-200		
-n-butyl phthalate	50.3	5.0	"	50.0	101	0-200		
2-Dichlorobenzene	40.1	10	"	50.0	80	0-200		
3-Dichlorobenzene	39.7	10	"	50.0	79	0-200		
4-Dichlorobenzene	40.4	10	"	50.0	81	28-104		
4-Dichlorophenol	45.1	5.0	"	50.0	90	0-200		
iethyl phthalate	47.3	5.0	"	50.0	95	0-200		
4-Dimethylphenol	36.0	10	"	50.0	72	0-200		
imethyl phthalate	44.4	5.0	"	50.0	89	0-200		
.6-Dinitro-2-methylphenol	43.4	5.0	"	50.0	87	0-200		
,4-Dinitrophenol	50.0	10	"	50.0	100	0-200		
,4-Dinitrotoluene	46.4	5.0	"	50.0	93	28-89		
,6-Dinitrotoluene	46.9	5.0	"	50.0	94	0-200		
Di-n-octyl phthalate	48.0	10	"	50.0	96	0-200		

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 5F29033 - EPA	3550 Wipe .	/ EPA	8270C
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Laboratory Control Sample (5F29033-BS1)				Prepared: 06	6/29/05 Analyzed:	06/30/05	
Fluoranthene	51.9	5.0	ug/Wipe	50.0	104	0-200	
Fluorene	49.2	5.0	"	50.0	98	0-200	
Hexachlorobenzene	45.1	5.0	"	50.0	90	0-200	
Hexachlorobutadiene	41.2	10	"	50.0	82	0-200	
Hexachlorocyclopentadiene	45.1	10	"	50.0	90	0-200	
Hexachloroethane	37.2	10	"	50.0	74	0-200	
Indeno (1,2,3-cd) pyrene	48.9	10	"	50.0	98	0-200	
Isophorone	38.1	5.0	"	50.0	76	0-200	
2-Methylnaphthalene	46.3	5.0	"	50.0	93	0-200	
2-Methylphenol	42.3	5.0	"	50.0	85	0-200	
4-Methylphenol	48.3	5.0	"	25.0	193	0-200	
Naphthalene	45.9	5.0	"	50.0	92	0-200	
2-Nitroaniline	42.8	10	"	50.0	86	0-200	
3-Nitroaniline	34.9	100	"	50.0	70	0-200	
4-Nitroaniline	39.8	50	"	50.0	80	0-200	
Nitrobenzene	41.8	5.0	"	50.0	84	0-200	
2-Nitrophenol	43.4	5.0	"	50.0	87	0-200	
4-Nitrophenol	44.7	10	"	50.0	89	11-114	
N-Nitrosodi-n-propylamine	44.1	5.0	"	50.0	88	41-126	
N-Nitrosodiphenylamine	54.1	10	"	50.0	108	0-200	
Pentachlorophenol	47.2	10	"	50.0	94	17-109	
Phenanthrene	48.9	5.0	"	50.0	98	0-200	
Phenol	45.8	5.0	"	50.0	92	26-90	QL01
Pyrene	43.4	5.0	"	50.0	87	35-142	
1,2,4-Trichlorobenzene	41.8	10	"	50.0	84	38-107	
2,4,5-Trichlorophenol	44.6	5.0	"	50.0	89	0-200	
2,4,6-Trichlorophenol	45.0	5.0	"	50.0	90	0-200	
Surrogate: 2-Fluorophenol	87.8		"	100	88	25-121	
Surrogate: Phenol-d6	94.4		"	100	94	24-113	
Surrogate: Nitrobenzene-d5	43.5		"	50.0	87	23-120	
Surrogate: 2-Fluorobiphenyl	46.8		"	50.0	94	30-115	
Surrogate: 2,4,6-Tribromophenol	97.0		"	100	97	19-122	
Surrogate: p-Terphenyl-d14	45.4		"	50.0	91	18-137	





Batch 5F29033 - EPA 3550 Wipe / EPA 8270C

Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Laboratory Control Sample Dup (5	F29033-BSD1)			Prepared: 06	/29/05 Analyzed	1: 06/30/05		
Acenaphthene	47.9	5.0	ug/Wipe	50.0	96	31-137	2	40
Acenaphthylene	47.7	5.0	"	50.0	95	0-200	3	200
Anthracene	49.3	5.0	"	50.0	99	0-200	2	200
Benzo (a) anthracene	47.6	5.0	"	50.0	95	0-200	2	200
Benzo (a) pyrene	48.9	5.0	"	50.0	98	0-200	0.8	200
Benzo (b) fluoranthene	47.4	5.0	"	50.0	95	0-200	2	200
Benzo (g,h,i) perylene	42.3	10	"	50.0	85	0-200	5	200
Benzo (k) fluoranthene	45.8	5.0	"	50.0	92	0-200	0.9	200
Benzyl alcohol	48.9	10	"	50.0	98	0-200	5	200
Bis(2-chloroethoxy)methane	43.9	5.0	"	50.0	88	0-200	3	200
Bis(2-chloroethyl)ether	41.7	10	"	50.0	83	0-200	6	200
Bis(2-chloroisopropyl)ether	39.8	5.0	"	50.0	80	0-200	5	200
Bis(2-ethylhexyl)phthalate	47.8	10	"	50.0	96	0-200	0.2	200
4-Bromophenyl phenyl ether	46.7	5.0	"	50.0	93	0-200	4	200
Butyl benzyl phthalate	46.7	5.0	"	50.0	93	0-200	0.6	200
4-Chloroaniline	36.0	50	"	50.0	72	0-200	0.3	200
2-Chloronaphthalene	45.0	5.0	"	50.0	90	0-200	4	200
4-Chloro-3-methylphenol	46.9	5.0	"	50.0	94	26-103	2	40
2-Chlorophenol	43.7	5.0	"	50.0	87	25-102	2	40
4-Chlorophenyl phenyl ether	45.8	10	"	50.0	92	0-200	0.9	200
Chrysene	48.8	5.0	"	50.0	98	0-200	0.2	200
Dibenz (a,h) anthracene	41.7	5.0	"	50.0	83	0-200	3	200
Dibenzofuran	46.6	5.0	"	50.0	93	0-200	1	200
Di-n-butyl phthalate	49.7	5.0	"	50.0	99	0-200	1	200
1,2-Dichlorobenzene	42.3	10	"	50.0	85	0-200	5	200
1,3-Dichlorobenzene	42.1	10	"	50.0	84	0-200	6	200
1,4-Dichlorobenzene	42.5	10	"	50.0	85	28-104	5	40
2,4-Dichlorophenol	47.0	5.0	"	50.0	94	0-200	4	200
Diethyl phthalate	47.3	5.0	"	50.0	95	0-200	0	200
2,4-Dimethylphenol	34.8	10	"	50.0	70	0-200	3	200
Dimethyl phthalate	44.9	5.0	"	50.0	90	0-200	1	200
4,6-Dinitro-2-methylphenol	43.5	5.0	"	50.0	87	0-200	0.2	200

49.8

46.0

46.4

47.6

10

5.0

5.0

10

50.0

50.0

50.0

50.0

Sequoia Analytical - Morgan Hill

2,4-Dinitrophenol

2,4-Dinitrotoluene

2,6-Dinitrotoluene

Di-n-octyl phthalate

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

0-200

28-89

0-200

0-200

0.4

0.9

1

0.8

200

40

200

200

100

92

93

95

QL01a



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

<b>Laboratory Control Sample Dup (5F</b>	29033-BSD1)			Prepared: 06/	/29/05 Analyzed	: 06/30/05			
Fluoranthene	51.3	5.0	ug/Wipe	50.0	103	0-200	1	200	
Fluorene	49.2	5.0	"	50.0	98	0-200	0	200	
Hexachlorobenzene	46.7	5.0	"	50.0	93	0-200	3	200	
Hexachlorobutadiene	44.0	10	"	50.0	88	0-200	7	200	
Hexachlorocyclopentadiene	46.5	10	"	50.0	93	0-200	3	200	
Hexachloroethane	40.2	10	"	50.0	80	0-200	8	200	
Indeno (1,2,3-cd) pyrene	50.8	10	"	50.0	102	0-200	4	200	
Isophorone	39.6	5.0	"	50.0	79	0-200	4	200	
2-Methylnaphthalene	47.4	5.0	"	50.0	95	0-200	2	200	
2-Methylphenol	43.8	5.0	"	50.0	88	0-200	3	200	
4-Methylphenol	50.8	5.0	"	25.0	203	0-200	5	200	QL01a
Naphthalene	47.1	5.0	"	50.0	94	0-200	3	200	
2-Nitroaniline	42.7	10	"	50.0	85	0-200	0.2	200	
3-Nitroaniline	35.1	100	"	50.0	70	0-200	0.6	200	
4-Nitroaniline	39.0	50	"	50.0	78	0-200	2	200	
Nitrobenzene	44.2	5.0	"	50.0	88	0-200	6	200	
2-Nitrophenol	45.2	5.0	"	50.0	90	0-200	4	200	
4-Nitrophenol	43.6	10	"	50.0	87	11-114	2	40	
N-Nitrosodi-n-propylamine	45.9	5.0	"	50.0	92	41-126	4	40	
N-Nitrosodiphenylamine	54.9	10	"	50.0	110	0-200	1	200	
Pentachlorophenol	47.4	10	"	50.0	95	17-109	0.4	40	
Phenanthrene	49.2	5.0	"	50.0	98	0-200	0.6	200	
Phenol	48.3	5.0	"	50.0	97	26-90	5	40	QL01b
Pyrene	44.1	5.0	"	50.0	88	35-142	2	40	
1,2,4-Trichlorobenzene	44.3	10	"	50.0	89	38-107	6	40	
2,4,5-Trichlorophenol	45.0	5.0	"	50.0	90	0-200	0.9	200	
2,4,6-Trichlorophenol	45.5	5.0	"	50.0	91	0-200	1	200	
Surrogate: 2-Fluorophenol	90.6		"	100	91	25-121			
Surrogate: Phenol-d6	98.1		"	100	98	24-113			
Surrogate: Nitrobenzene-d5	45.0		"	50.0	90	23-120			
Surrogate: 2-Fluorobiphenyl	47.8		"	50.0	96	30-115			
Surrogate: 2,4,6-Tribromophenol	99.6		"	100	100	19-122			
Surrogate: p-Terphenyl-d14	45.6		"	50.0	91	18-137			



Project:OEHHA Playground Study Project Number:SAU5734 Project Manager:Myrto Petreas MOF0960 **Reported:** 08/04/05 16:47

# Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control Sequoia Analytical - Petaluma

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 5070002 - EPA 3580A	Waste Dil /	GCMS-SIM
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Blank (5070002-BLK1)				Prepared: 07/01/05	Analyzed	d: 08/04/05	
Naphthalene	ND	0.82	ug/Wipe				
Acenaphthylene	ND	0.82	"				
Acenaphthene	ND	0.82	"				
Fluorene	ND	0.82	"				
Phenanthrene	ND	0.82	"				
Anthracene	ND	0.82	"				
Fluoranthene	ND	0.82	"				
Pyrene	ND	0.82	"				
Benzo (a) anthracene	ND	0.82	"				
Chrysene	ND	0.82	"				
Benzo (b+k) fluoranthene (total)	ND	1.6	"				
Benzo (b) fluoranthene	ND	0.82	"				
Benzo (k) fluoranthene	ND	0.82	"				
Benzo (a) pyrene	ND	0.82	"				
Indeno (1,2,3-cd) pyrene	ND	0.82	"				
Benzo (g,h,i) perylene	ND	0.82	"				
Dibenz (a,h) anthracene	ND	0.82	"				
Surrogate: Nitrobenzene-d5	76.4		"	100	76	50-150	
Surrogate: 2-Fluorobiphenyl	70.8		"	100	71	50-150	
Surrogate: Terphenyl-d14	101		"	100	101	50-150	





Dept. of Toxic Substances Contol-Berkeley	Project:OEHHA Playground Study	MOF0960
700 Heinz Avenue, Suite 100	Project Number:SAU5734	Reported:
Berkeley CA, 94710	Project Manager: Myrto Petreas	08/04/05 16:47

### **Notes and Definitions**

S02 The surrogate recovery was below control limits.

QL01b The LCS recovery was above the control limit by 7%.

QL01a The LCS recovery was above the control limit by 3%.

QL01 The LCS recovery was above the control limit by 2%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

nornia .			Dena	rtment of Toxic Substances Co	antrol
Environmental Protection Agenc		0F6960		Hazardous Materials Laborat	
HAZARDOUS MATERIALS		ation Number	HML No.	. 2. Page	
SAMPLE ANALYSIS REQUES		5734	То		_,_,
3. REQUESTOR: VIDAIR / PET	REAS 4. Phone (	510,540-3003	7. TAT Level: (che	ok one)	1
5. ADDRESS (To Receive Results)	6. FAX (	) -230 <i>5</i>			
JOO HEINZ	AVE SUITE I	OU			
	Y, CA 947	10	*1	2 3 4	
			* Unit Chief's Signature		
	95		9. Codes (fill in all ap	olicable codes)	
10. ACTIVITY: SCD SRPD C	IB SMB. FPB	SPPT Others	a. Office	- Marian	
SAMPLING LOCATION	- FDA 12 A1-		b. INDEX		
b. Site OFHHA	TRACK STUI	) <b>Y</b>	c. PCA	<del>                                     </del>	
c. Address			d. MPC e. SITE		4
Number Stree	et City	ZIP	f. County	Sample ANALONA, and a few analysis of the	
12 SAMPLES:		Sample	Container	The state of the s	┦
a. ID b. Collector's No.	c. HML No.	d. Typee. Ť	·· <del>·</del>	g. Field Information	
' A A	POLYESTER	WILE WATTED	WITH WATER I	N 8 OZ GLASS JAR	1
ВВ			ic		1
3 <u>c</u> <u>C</u>			ıc		]
9 <u>D</u> D D			ξ(		]   ;
4 F F			10		
	SIS REQUESTED: (X desire	, , , , , , , , , , , , ,	- (1		
INORGANIC ANALYSIS	Sample(s) ID	ed analysis and enter I. ORGANIC ANAL			F
pH		CL-Pesticides		Sample(s) ID	
Metals Scan (8940) 6020	A. B. C	OP-Pesticides			5
Metal(s) Specific	,,,,	PCBs (8082)		-	
WET		GRO (8015B	)		
Cyanides		DRO/Motor (	Oil / Both (circle one)		
X Hg 7471 (others, write in)	D, E, F	n-Hexane Extra	ctables (1664)		
TCLP Analysis		Flash Point (10			
(only if necessa	-> //	VOCs Including			
Metals	ry) (do TCLP regardless)	VOCs - LO Lev			
. Mercury		VOCs - HI Leve	(5035)		
Volaties		SVOCs (8270) PAHs (8270)			
Semivolatiles		77.10 (02/0)			
(others, write in)			(others, write in)		
14. ANALYSIS OBJECTIVE:	Vaste Characterization		Treatment Standards	***************************************	
	rinking H <sub>2</sub> O Standards (app	olies to DW only)	/i	t Lab supervisors first)	$\left  \cdot \right $
15. DETECTION LIMIT REQUIREMENTS: /	S LOW AST	USSIBLE			
16. SUPPLEMENTAL				nitials	
REQUESTS	***************************************		****	Pate	
17. LAB REMARKS:					
	·		<u> </u>	-	A
IB. CHAIN OF CUSTODY:	CHARLES VÍ	Λ 45 <sub>Λ</sub>		( >> 4-	
1 M/O + 2	M DF +10	VIIIK	6 27 05	0 6 40 05	
Sun Chi	D (1)	C43	6205	06 28 05	>   ·
hunt	Fill Folia		66 28 05 t	0628 25	<b>,</b>
	NO OF CO		6 28 05 t	o   ç	;
Signature(s)	HU MERELON TI	ie (s)	1>10 8/ 40 jusike	ate Pof Custody	,

MOF 0960 Department of Toxic Substances Control Environmental Protection Agency Hazardous Materials Laboratories MAZARDOUS MATERIALS 1. Authorization Number HML No. 2. Page SAMPLE ANALYSIS REQUEST 2 of 2 5 AU 573 VIDAIR / PETREAS (510) 540 - 3003 4. Phone 7. TAT Level: (check one) 5. ADDRESS (To Receive Results) -2305 700 HEINZ AVE SWITE 947/0 \* Unit Chief's Signature 8. DATE SAMPLED: 9. Codes (fill in all applicable codes) 10. ACTIVITY: SCD SMB FPB SPPT a. Office Others 11. SAMPLING LOCATION b. INDEX a. EPA ID No. c. PCA OEHHA TRACK STUDY b. Site d. MPC c. Address e. SITE Number Street City ΖIP f. County 12 SAMPLES: <u>Sample</u> Container b. Collector's No. c. HML No. d. Type e. Type f. Size g. Field Information G Α WIPE WETTED WITH WATER IN 8UZ JAR υģ H В I C ত POLYESTER WIFE WETTED D WITH ISOPROPYL ALCOHOL IN 802 STAR K Ħ Ε F 13. ANALYSIS REQUESTED: (X desired analysis and enter I.Ds from 12.a.) INORGANIC ANALYSIS Sample(s) ID ORGANIC ANALYSIS Sample(s) ID рH CL-Pesticides (8081) Metals Scan (6010) OP-Pesticides (8141) Metal(s) Specific PCBs (8082) Đ. WET. GRO (8015B) Cyanides DRO/Motor Oil/Both (circle one) (others, write in) n-Hexane Extractables (1664) (others, write in) Flash Point (1020) TCLP Analysis VOCs including BTEX (8260) (only if necessary) (do TCLP regardless) VOCs - LO Level (5035) Metals VOCs - HI Level (5035) Mercury SVOCs (8270) Volatiles PAHs (8270) SIM Semivolatiles (others, write in) (others, write in) 14. ANALYSIS OBJECTIVE: Waste Characterization Treatment Standards (check a box) Drinking H<sub>2</sub>O Standards (applies to DW only) (contact Lab supervisors first) 15. DETECTION LIMIT REQUIREMENTS: 16. SUPPLEMENTAL Initials REQUESTS Date 17. LAB REMARKS; CHARLES VIDAIR C 0 grecov. c

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

RECORD OF RESOLUTION	ATTACH RECORD OF RESOLUTION	OF RES	RECORI	) ATTACH F	AGER AND	TMAN	*IF CIRCLED, CONTACT PROJECT MANAGER AND	LED, C	*IF CIRC		STATISTICS FOR THE PARTY BANKS BOTH
			-	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PE	On the last of the						et Problem COC
						$\dashv$				xception (if any); METALS / DFF ON ICE	Exception (if any); ME
										(Acceptance range for samples requiring thermal pres.)	oceptance range for samples
							.3			Yes / 100***	is temp 4 +/-2°C?
										25/22	14. Temp Rec. at Lab:
										Yes / NOD	(circle which, if yes)
						1				ank Received?	13. Trip Blank / Temp Blank Received?
						/	(			€es// No*	used?
					Y	7	<u> </u>				12. Proper Preservatives
				/	) X	1		,		Yes/No*	received?
	-		$\setminus$			7		•			11. Adequate sample volume
		\								Yes / No*	hold time?
	Y	1	\							. colodon b	<ol><li>Sample received within</li></ol>
	>	$\bigg) \bigg $								Yes / No*	agree?
							•			sample labels	traffic reports and sample labels
				;						Does information on chain-of-custody,	9. Does information of
		-								Leaking*	
	?	R	$\mathbb{V}$	Ę	۴		٠ ٢	7	2	ntact/ Broken* /	<ol><li>Sample Condition:</li></ol>
			_	, ( ,			K		1/	on Chain-of-Custody	
			_				9		Lø.	Listed / Not Listed	7. Sample IDs:
							7		<i>SC1</i>	Present / Absent	6. Sample Labels:
						•	H		30		5, Airbill #:
							7		07	Present / Absent	
							7		. 44 .	Airbill / Sticker	4. Airbill:
	-		-				<b>[</b> ]		bΓ	Present / Alesent	Packing List:
			<u>.</u>	-			d	_	by	, Alemany pr	<ol><li>Traffic Reports or</li></ol>
							^		200	Rresent / Absent*	2. Chain-of-Custody
		•••			1	-	<u>ر</u>		40	Intact / Broken*	
	6/68/2	ad of	1	~	( " ) ( " )		1	Æ	4	Present / Absent	<ol> <li>Custody Seal(s)</li> </ol>
REMARKS: CONDITION (ETC.)	DATE SAMPLED	SAMPLE MATRIX	рН	PRESERV ATIVE	CONTAINER DESCRIPTION	DE C	CLIENT ID	DASH #	LAB SAMPLE#	CIRCLE THE APPROPRIATE RESPONSE	CIRCLE THE APPR
clients requiring preservation checks at receipt, document here	checks at rec	servation	ring pre	lients requi	(For c			1			
ATER YES / NO	WASTE WATER			28-05	6-2	. <del></del> 	DATE LOGGED IN:	•	9	Wab gald	WORKORDER:
WATER YES/NO	DRINKING WATER	.`			1622	AB:	TIME REC'D AT LAB:			7	REC. BY (PRINT)
For Regulatory Purposes?	For Regula			\	9/28/3	AB:	DATE REC'D AT LAB:	•		RIM	CLIENT NAME:
	,				, ,					- -	

. s:Rev-5 (06/07/04) 0/1/3/04

Page\_



28 September, 2005

Jarnail Garcha Dept. of Toxic Substances Contol-Berkeley 700 Heinz Avenue, Suite 100 Berkeley, CA 94710

RE: OEHHA Playground Study

Grever aller

Work Order: MOI0327

Enclosed are the results of analyses for samples received by the laboratory on 09/09/05 17:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen Project Manager

CA ELAP Certificate #1210





Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 **Reported:** 09/28/05 12:30

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
UC1	MOI0327-01	Wipe	09/06/05 00:00	09/09/05 17:25
UC2	MOI0327-02	Wipe	09/06/05 00:00	09/09/05 17:25
UC3	MOI0327-03	Wipe	09/06/05 00:00	09/09/05 17:25
EC1	MOI0327-04	Wipe	09/06/05 00:00	09/09/05 17:25
EC2	MOI0327-05	Wipe	09/06/05 00:00	09/09/05 17:25
EC3	MOI0327-06	Wipe	09/06/05 00:00	09/09/05 17:25
GR1	MOI0327-07	Wipe	09/06/05 00:00	09/09/05 17:25
GR2	MOI0327-08	Wipe	09/06/05 00:00	09/09/05 17:25
GR3	MOI0327-09	Wipe	09/06/05 00:00	09/09/05 17:25
SM1	MOI0327-10	Wipe	09/06/05 00:00	09/09/05 17:25
SM2	MOI0327-11	Wipe	09/06/05 00:00	09/09/05 17:25
SM3	MOI0327-12	Wipe	09/06/05 00:00	09/09/05 17:25



Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 **Reported:** 09/28/05 12:30

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

		Reporting	ny ticar	- Wildige					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
UC1 (MOI0327-01) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:	25					
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.14	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	0.27	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	0.27	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	0.11	0.10	"	"	"	"	"	"	
Phenanthrene	0.15	0.10	"	"	"	"	"	"	
Pyrene	0.41	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		92 %	35-1	115	"	"	"	"	
Surrogate: 2-Fluorobiphenyi	l	86 %	35-1	120	"	"	"	"	
Surrogate: 2-Fluorobiphenyl Surrogate: p-Terphenyl-d14	1	86 % 99 %	35-1 40-1		"	"	"	"	
Surrogate: p-Terphenyl-d14	Sampled: 09/06/05 00:00	99 %	40-1	130					
Surrogate: p-Terphenyl-d14		99 %	40-1 / <b>09/05 17:</b>	130					
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe	Sampled: 09/06/05 00:00	99 % Received: 09	40-1	130 <b>25</b>	"	"	"	"	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene	Sampled: 09/06/05 00:00 ND	99 % Received: 09	40-1 / <b>09/05 17:</b> ug/Wipe	130 <b>25</b>	"	"	09/27/05	"	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene	Sampled: 09/06/05 00:00 ND ND	99 % Received: 09 0.10 0.10	40-1 / <b>09/05 17:</b> ug/Wipe	130 <b>25</b>	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene	Sampled: 09/06/05 00:00  ND ND ND ND	99 % Received: 09 0.10 0.10 0.10	40-1 /09/05 17: ug/Wipe	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene	Sampled: 09/06/05 00:00  ND ND ND ND ND ND ND	99 % Received: 09 0.10 0.10 0.10 0.10	40-1 / <b>09/05 17:</b> ug/Wipe	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene	Sampled: 09/06/05 00:00  ND ND ND ND ND ND ND ND ND	99 % Received: 09 0.10 0.10 0.10 0.10 0.10	40-1 / <b>09/05 17:</b> ug/Wipe	130 25 1 "	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene	ND   ND   ND   ND   ND   ND   ND   ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10	40-1 / <b>09/05 17:</b> : ug/Wipe	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene	Sampled: 09/06/05 00:00  ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10	40-1 //09/05 17:: ug/Wipe "	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene	ND N	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130	5115023	09/15/05	09/27/05	GCMS-SIM " " " " " "	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene	ND O.11 ND ND ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130 25	5115023	09/15/05	09/27/05	GCMS-SIM " " " " " "	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene	ND ND ND ND ND ND ND ND ND O.11 ND ND ND ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130	5115023	09/15/05	09/27/05	GCMS-SIM " " " " " "	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND ND ND ND ND ND ND ND O.11 ND O.22 ND O.23 ND ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	Sampled: 09/06/05 00:00  ND ND ND ND ND ND O.11 ND ND ND ND ND ND ND ND ND O.22 ND O.23 ND ND ND ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND ND ND ND ND ND ND ND ND O.11 ND O.22 ND O.23 ND ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130 25	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14 UC2 (MOI0327-02) Wipe Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene	Sampled: 09/06/05 00:00  ND ND ND ND ND ND O.11 ND ND ND ND ND ND ND ND ND O.22 ND O.23 ND ND ND ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-1	130 25	5I15023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: p-Terphenyl-d14  UC2 (MOI0327-02) Wipe  Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene	ND O.11 ND ND ND ND ND ND ND ND ND O.22 ND O.23 ND	99 %  Received: 09  0.10 0.10 0.10 0.10 0.10 0.10 0.10 0	40-14.	130 25	5I15023	09/15/05	09/27/05	GCMS-SIM	

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 Reported: 09/28/05 12:30

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

		equota Ana	ily tical	morg	*** *****				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
UC2 (MOI0327-02) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:	25					
Surrogate: p-Terphenyl-d14		78 %	40-	130	5115023	09/15/05	09/27/05	GCMS-SIM	
UC3 (MOI0327-03) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:	25					
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	ND	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
Phenanthrene	ND	0.10	"	"	"	"	"	"	
Pyrene	0.10	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		87 %	35-	115	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	!	73 %	35-	120	"	"	"	"	
Surrogate: p-Terphenyl-d14		96 %	40-		"	"	"	"	
EC1 (MOI0327-04) Wipe	Sampled: 09/06/05 00:00								
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"		"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	,,	"	"	"	"	
Fluoranthene	0.14	0.10	"	,,	"	"	"	"	
Fluorene	ND	0.10	"	,,	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND ND	0.10	"	"	"	"	"	"	
Naphthalene	ND ND	0.10	"	"	"	"	"	"	
Phenanthrene	ND ND	0.10	"	"	"	"	"	"	
Pyrene	0.27	0.10	"	,,	,,	,,	"	"	
1 yiene	0.27	0.10							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 Reported: 09/28/05 12:30

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EC1 (MOI0327-04) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:2	25					
Surrogate: Nitrobenzene-d5		81 %	35-1	15	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: 2-Fluorobiphenyl		75 %	35-1	20	"	"	"	"	
Surrogate: p-Terphenyl-d14		89 %	40-1	30	"	"	"	"	
EC2 (MOI0327-05) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:2	25					
Acenaphthene	ND	0.10	ug/Wipe	1	5115023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	0.13	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
Phenanthrene	ND	0.10	"	"	"	"	"	"	
Pyrene	0.28	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		72 %	35-1	15	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		71 %	35-1	20	"	"	"	"	
Surrogate: p-Terphenyl-d14		100 %	40-1	30	"	"	"	"	





Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 Reported: 09/28/05 12:30

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

		quoia Ana	<i>J</i>	- 8					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EC3 (MOI0327-06) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:2	25					
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	ND	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	0.11	0.10	"	"	"	"	"	"	
Phenanthrene	ND	0.10	"	"	"	"	"	"	
Pyrene	ND	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		104 %	35-1	15	"	"	"	"	
Surrogate: 2-Fluorobipheny	l	84 %	35-1	20	"	"	"	"	
$Surrogate: p\hbox{-}Terphenyl\hbox{-}d14$		93 %	40-1	30	"	"	"	"	
<b>GR1</b> (MOI0327-07) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:2	25					
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	n .	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	0.11	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	0.10	0.10	"	"	"	"	"	"	
Phenanthrene	0.30	0.10	"	"	"	"	"	"	
Pyrene	0.40	0.10	"	"	"	"	n .	"	
Surrogate: Nitrobenzene-d5		95 %	35-1	15	"	"	"	"	
Surrogate: 2-Fluorobipheny	l	72 %	35-1	20	"	"	"	"	

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 **Reported:** 09/28/05 12:30

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

		equota Ana	ily tical	morge	411 11111				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GR1 (MOI0327-07) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:	25					
Surrogate: p-Terphenyl-d14		95 %	40-1	130	5115023	09/15/05	09/27/05	GCMS-SIM	
<b>GR2</b> (MOI0327-08) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:	25					
Acenaphthene	ND	0.10	ug/Wipe	1	5115023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	ND	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	0.13	0.10	"	"	"	"	"	"	
Phenanthrene	0.19	0.10	"	"	"	"	"	"	
Pyrene	0.31	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		114 %	35-1	115	"	"	"	n	
Surrogate: 2-Fluorobiphenyl	!	88 %	35-1	120	"	"	"	"	
Surrogate: p-Terphenyl-d14		97 %	40-		"	"	"	"	
GR3 (MOI0327-09) Wipe	Sampled: 09/06/05 00:00	Received: 09							
Acenaphthene	ND	0.10	ug/Wipe	1	5115023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	ND	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	n .	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	n .	
Naphthalene	0.11	0.10	"	"	"	"	"	"	
Phenanthrene	ND	0.10	"	"	"	"	"	"	
Pyrene	0.11	0.10	"	"	"	"	"	"	
1 Ji CiiC	0.11	0.10							

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 **Reported:** 09/28/05 12:30

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GR3 (MOI0327-09) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:25	5					
Surrogate: Nitrobenzene-d5		110 %	35-11	5	5115023	09/15/05	09/27/05	GCMS-SIM	
Surrogate: 2-Fluorobiphenyl	!	80 %	35-12	0	"	"	"	"	
Surrogate: p-Terphenyl-d14		93 %	40-13	0	"	"	"	"	
SM1 (MOI0327-10) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:25	5					
Acenaphthene	ND	0.10	ug/Wipe	1	5115023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	0.34	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	0.48	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	0.11	0.10	"	"	"	"	"	"	
Phenanthrene	1.2	0.10	"	"	"	"	"	"	
Pyrene	3.5	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		100 %	35-11	5	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	!	82 %	35-12	0	"	"	"	"	
Surrogate: p-Terphenyl-d14		94 %	40-13	0	"	"	"	"	



Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 Reported: 09/28/05 12:30

# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SM2 (MOI0327-11) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:2	5					
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Chrysene	0.20	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	0.37	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Naphthalene	0.12	0.10	"	"	"	"	"	"	
Phenanthrene	0.86	0.10	"	"	"	"	"	"	
Pyrene	2.7	0.10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		101 %	35-11	5	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	!	81 %	35-12	20	"	"	"	"	
Surrogate: p-Terphenyl-d14		95 %	40-13	80	"	"	"	"	
SM3 (MOI0327-12) Wipe	Sampled: 09/06/05 00:00	Received: 09	/09/05 17:2	5					
Acenaphthene	ND	0.10	ug/Wipe	1	5I15023	09/15/05	09/27/05	GCMS-SIM	
Acenaphthylene	ND	0.10	"		"	"	"	"	
Anthracene	ND	0.10		"	"				
1 MILLIACCIIC	ND ND	0.10	"	"	"	"	"	"	
Benzo (a) anthracene			"			"	"		
Benzo (a) anthracene	ND	0.10			"		" "	u .	
	ND ND	0.10 0.10	"	"	"	"	"	" "	
Benzo (a) anthracene Benzo (a) pyrene	ND ND ND	0.10 0.10 0.10	"	"	"	"	"	" " "	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene	ND ND ND ND	0.10 0.10 0.10 0.10	" "	"	" "	" "	"	11 11 11	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene	ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10	" " "	" " " "	" " " " " " " " " " " " " " " " " " " "	" " "	" " " "	" " " " " " " " " " " " " " " " " " " "	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene	ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10 0.10	11 11 11	" " " "	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	" " " " " "	" " " " " "	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene	ND ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10 0.10 0.10	11 11 11 11	" " " "	11 11 11 11	" " " " " " " " " " " " " " " " " " " "	" " " " " "	" " " " " " " " "	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene	ND ND ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	11 11 11 11	n n n	n n n n n n n n n n n n n n n n n n n	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " " " " "	" " " " " " " " " "	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	11 11 11 11 11	n n n	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11	" " " " " " " " " "	" " " " " " " " " " " "	
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	ND ND ND ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	11 11 11 11 11	n n n	11 11 11 11 11 11 11 11 11 11 11 11 11	n n n n n n n n n n n n n n n n n n n			
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND O.11 0.22	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	" " " " " " " " " " " "			11 11 11 11 11 11 11 11 11 11 11 11 11			
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene	ND O.11 0.22 ND 0.10	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10							
Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene	ND O.11 0.22 ND 0.10 0.15	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10							

Sequoia Analytical - Morgan Hill





Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 Reported: 09/28/05 12:30

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SM3 (MOI0327-12) Wipe	Sampled: 09/06/05 00:00	Received: 09/	09/05 17	:25					
Surrogate: p-Terphenyl-d14		95 %	40-	130	5115023	09/15/05	09/27/05	GCMS-SIM	



Project:OEHHA Playground Study
Project Number:SAV5795
Project Manager:Jarnail Garcha

Spike

Source

MOI0327 Reported: 09/28/05 12:30

RPD

%REC

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5I15023 - EPA 3550 Wipe / GCM	S-SIM									
Blank (5I15023-BLK1)				Prepared:	09/15/05	Analyzed	: 09/27/05			
Acenaphthene	ND	0.10	ug/Wipe	-		-				
Acenaphthylene	ND	0.10	"							
Anthracene	ND	0.10	"							
Benzo (a) anthracene	ND	0.10	"							
Benzo (a) pyrene	ND	0.10	"							
Benzo (b) fluoranthene	ND	0.10	"							
Benzo (g,h,i) perylene	ND	0.10	"							
Benzo (k) fluoranthene	ND	0.10	"							
Chrysene	ND	0.10	"							
Dibenz (a,h) anthracene	ND	0.10	"							
Fluoranthene	ND	0.10	"							
Fluorene	ND	0.10	"							
Indeno (1,2,3-cd) pyrene	ND	0.10	"							
Naphthalene	ND	0.10	"							
Phenanthrene	ND	0.10	"							
Pyrene	ND	0.10	"							
Surrogate: Nitrobenzene-d5	1.20		"	5.00		24	35-115			SO
Surrogate: 2-Fluorobiphenyl	1.60		"	5.00		32	35-120			SO.
Surrogate: p-Terphenyl-d14	4.36		"	5.00		87	40-130			
Laboratory Control Sample (5I15023-BS1)				Prepared:	09/15/05	Analyzed	: 09/27/05			
Acenaphthene	8.51	0.10	ug/Wipe	10.0		85	65-110			
Acenaphthylene	9.61	0.10	"	10.0		96	30-145			
Anthracene	9.99	0.10	"	10.0		100	25-130			
Benzo (a) anthracene	10.9	0.10	"	10.0		109	30-140			
Benzo (a) pyrene	11.0	0.10	"	10.0		110	15-150			
Benzo (b) fluoranthene	11.0	0.10	"	10.0		110	25-150			
Benzo (g,h,i) perylene	9.75	0.10	"	10.0		98	10-150			
Benzo (k) fluoranthene	11.2	0.10	"	10.0		112	10-150			
Chrysene	10.6	0.10	"	10.0		106	15-150			
Dibenz (a,h) anthracene	11.5	0.10	"	10.0		115	10-150			
Fluoranthene	10.5	0.10	"	10.0		105	25-135			
Fluorene	9.31	0.10	"	10.0		93	60-120			
Indeno (1,2,3-cd) pyrene	11.0	0.10	"	10.0		110	10-150			
Naphthalene	5.52	0.10	"	10.0		55	20-130			
Phenanthrene	9.71	0.10	"	10.0		97	50-150			

Sequoia Analytical - Morgan Hill



Project:OEHHA Playground Study Project Number:SAV5795 Project Manager:Jarnail Garcha MOI0327 Reported: 09/28/05 12:30

### Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Laboratory Control Sample (5I15023-BS	S1)			Prepared: 09/1	5/05 Analyzed	1: 09/27/05			
Pyrene	10.5	0.10	ug/Wipe	10.0	105	60-120			
Surrogate: Nitrobenzene-d5	1.99		"	5.00	40	35-115			
Surrogate: 2-Fluorobiphenyl	2.75		"	5.00	55	35-120			
Surrogate: p-Terphenyl-d14	4.50		"	5.00	90	40-130			
Laboratory Control Sample Dup (5I150)	23-BSD1)			Prepared: 09/1	5/05 Analyzed	1: 09/27/05			
Acenaphthene	9.14	0.10	ug/Wipe	10.0	91	65-110	7	20	-
Acenaphthylene	10.5	0.10	"	10.0	105	30-145	9	20	
Anthracene	9.72	0.10	"	10.0	97	25-130	3	20	
Benzo (a) anthracene	9.76	0.10	"	10.0	98	30-140	11	20	
Benzo (a) pyrene	9.97	0.10	"	10.0	100	15-150	10	20	
Benzo (b) fluoranthene	10.2	0.10	"	10.0	102	25-150	8	20	
Benzo (g,h,i) perylene	7.73	0.10	"	10.0	77	10-150	23	20	QC21
Benzo (k) fluoranthene	10.3	0.10	"	10.0	103	10-150	8	20	
Chrysene	9.64	0.10	"	10.0	96	15-150	9	20	
Dibenz (a,h) anthracene	9.28	0.10	"	10.0	93	10-150	21	20	QC21
Fluoranthene	9.41	0.10	"	10.0	94	25-135	11	20	
Fluorene	9.66	0.10	"	10.0	97	60-120	4	20	
Indeno (1,2,3-cd) pyrene	8.88	0.10	"	10.0	89	10-150	21	20	QC21
Naphthalene	7.67	0.10	"	10.0	77	20-130	33	20	QC21
Phenanthrene	9.46	0.10	"	10.0	95	50-150	3	20	
Pyrene	9.60	0.10	"	10.0	96	60-120	9	20	
Surrogate: Nitrobenzene-d5	0.456		"	5.00	9	35-115			S02
Surrogate: 2-Fluorobiphenyl	0.494		"	5.00	10	35-120			S02
Surrogate: p-Terphenyl-d14	4.02		"	5.00	80	40-130			





Dept. of Toxic Substances Contol-BerkeleyProject:OEHHA Playground StudyMOI0327700 Heinz Avenue, Suite 100Project Number:SAV5795Reported:Berkeley CA, 94710Project Manager:Jarnail Garcha09/28/05 12:30

### **Notes and Definitions**

S02 The surrogate recovery was below control limits.

QC21 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch

were accepted based on percent recoveries and completeness of QC data.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

· ·			1		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	hatt.	Dep.	artment of Toxic Substances Control	ol
mental Protection Age		MOI 632	<u>+/</u>	Hazardous Materials Laboratories	s
ARDOUS MATERIAL	<u> </u>	thorization Number	HML No.	2. Page	
APLE ANALYSIS REQUI			То	of J	
3. REQUESTOR: VIPAIR /PE	TREAS 4, Phor	ne (510)540 -3003	7. TAT Level: (che	₩	П
5 ADDRESS (To Bosonico Bosolta)			The mover (Sin	SOR ONE)	
700	HEINZ AVE	CO. TE 180			
RERKE	LEY, CA'S	711-11			
BENICA	, 201 / 011 7	7.770	*1	2 3 4	ŀ
8. DATE SAMPLED:	JOE 115- 0/-	zc - 0//	* Unit Chief's Signature		
		<u> Ec-9/6</u>	9. Codes (fill in all a	pplicable codes)	
10. ACTIVITY: SCD SRPD  11. SAMPLING LOCATION	CIB SMB FPE	SPPT Others	a. Office		
TI. SAIVIPLING LOCATION	<u> </u>		b. INDEX		
OFHUA PLAV	GRUUND STI	D No.	c. PCA		
	RICHINIAD 211	LUT	d. MPC		
c. Address			e. SITE		
	treet City	. ZIP	f. County		
12 SAMPLES:	•	Sample	Container .		
a. ID b. Collector's No.	c.HML			g. Field Information	
A UC1	PATTE PATTE	STER WIPE WETTE	D WITH ISOPR	OP'L ALCOHOL IN	-
B UC2	<del>                                     </del>	, ic		LASS JAR	
c W C 3	<del></del>	) le		10	
D E C1		14		( a	
E E C 2		10		li	
F FC3		10		44	
13. ANA	LYSIS REQUESTED: (	X desired analysis and enter I.	Ds from 12.a.)	F	
INORGANIC ANALYSIS	Sample(s) ID	ORGANIC ANAL	YSIS	Sample(s) ID #	S S
H	<u> </u>	CL-Pesticides	(8081)	E	
Metals Scan (6010)		OP-Pesticides	(8141)		
Metal(s) Specific		PCBs (8082)		· · · · · · · · · · · · · · · · · · ·	
WET:		GRO (8015B)	•		
Cyanides		D R O / Motor C	il / Both (circle one)		
(others, write in)		n-Hexané Extra	ctables (1664)		
(others, write in)		. Flash Point (10	20)		ĺ
TCLP Analysis	]	VOCs Including	BTEX (8260)		
(only if neces	sary) (do TCLP regardless	VOCs - LO Leve	1 (5035)		
Metals		VOCs - HI Level	(5035)		
Mercury		SVOCs (8270)			
Volatiles		Y PAHs (8270)	/sim	ABCDEF	
Semivolatiles					
(others, write in)			(others, write in)		
4. ANALYSIS OBJECTIVE:	Waste Characterization	,	Treatment Standards	5	
(check a box)	Drinking H <sub>2</sub> O Standards	(applies to DW only)	Other's (conta	act Lab supervisors first)	
5. DETECTION LIMIT REQUIREMENTS:	AS LOW	AC DACCIA:			
(specify if known and contact lab)	MS LOW	45 POSSIBLE	<u> </u>		
			×60-	Initials	
REQUESTS				Date	
PLEASE AWALYZE	ALL IZ SAMPL	ES AT ASSIMI	LAR REPORTI	V6 LEVEIS	
B. CHAIN OF CUSTODY:	CHARLES V	לים מי	.9 .1	4	
A Milani	VICE S V	IVFICK	1 0 05	to 7 / 05	1
	- IOM	<u> </u>	77 65	to 9 9 05 diam	سار
070-07	MAURIC	ue \	9 9 05 13	30 - 1725 o	
				to	
· Signature(s)	Name(	s) / Title (s)	Inclusive	Dates of Custody	

ARDOUS MATTERIALS  APPOUS MATTERIALS  APPOUS MATTERIALS  APPOUS TO THE MATTERIALS  APPOUS MATTERIALS  ADDRESS (TO PROSTORE MATTERIALS)  BERKELEY CA' 94710  CONTROLLED TO DESTRUCT MATTERIALS  A CONTROLLED TO DESTRUCT MATTERIALS  A CONTROLLED TO DESTRUCT MATTERIALS  A STEPPO DE TANA PLAY GRASH MATTERIALS  A STEPPO DE TANA MATTERIALS  A STEPP				<u>, '</u>	
AND MATERIALS  APLE ANALYSIS REQUEST  APLE ANALYSIS REQUEST  APLE ANALYSIS REQUEST  APPENDENCE OF Receive Results  BERKETEY CA 94718  BERKETEY CA	amental Protection Account	/	MAT 6277	) -	Anartment of Tour
PLE ANALYSIS REQUEST  I. RECUESTOR: VIDATA / PETREAS  A Phone 510,540 3863  7. TAT Level: (check one)  S. ADDRESS (TO Receive Peaulis)  PERKETEP, CA 94711  II. 2905  B. DATE SAMPLED: 12 AVE. SULTE 100  B. DATE SAMPLED: 13 AVE. SULTE 100  B. STIP	ARDOUS MATERIALS				Pariment of Toxic Substances Co
S. ADDRESS (TO Receive Results)  S. ADDRESS (TO Receive Results)  S. FAX  S. F		1. Authe	vization Number	HML No.	
S. ADDRESS (To Receive Prouting)   S. PAX   S. AVE   S.	VIDAIA /ACCA FA			To	
S. D. DESS (To Receive Results)  S. D. HE IN 2. AVE. SUTE IN DEARESTERY, CA. 94771  S. D. DERENELERY, CA. 94771  S. D. Correct Service  S. D. SAMPLED: SIPP. SPPT Others  S. Codes (this all applicable codes)  S. Codes (this all applicable codes)  S. Codes (this all applicable codes)  S. SAMPLES: S. OTHER SERVICE  S. SIPP. Service  S. STE  S. Codes (this all applicable codes)  S. SIMP. S. OTHER SERVICE  S. STE  S. Codes (this all applicable codes)  S. SIMP. S. OTHER SERVICE  S. STE  S. STE  S. STE  S. Codes (this all applicable codes)  S. STE  S.	3. REQUESTOR: VIVHIR / PEIRZAS	4. Phone	510540 3003		
SERVETEY CR 94718  SERVETEY CR 9	5. ADDRESS (To Receive Results)	'C FAV		7. TAT Level: (	check one)
S. DATE SAMPLED:  10. ACTIVITY: SCD SAPPO CS SUBJUSTED: SAMPO CS SUBJUSTED: SAMPLED:  11. SAMPLINO LOCATION  12. SAMPLINO DEPTH PLAY GRISS NO STUDY CONTROL STUDY COUNTY  12. SAMPLED:  12. SAMPLED: Street City Zip County  13. ACTIVITY: SCD SAPPO CS STREET  14. COUNTY  15. ACTIVITY: SCD SAPPO CS STREET  16. CONTROL STREET  17. COUNTY  18. CONTROL STREET  18. CONTROL STREET  19. COUNTY  19.		2 AVE	( ) -4305 Cotte = 1305	1 —	·
8. DATE SAMPLED: STATE OR - 9/6 S.M. 9/7 S. Codes (Riin all applicable codes) 10. ACTIVITY: SCD SRPD CIS SWE SPP SPP Others 11. SAMPLING LOCATION 11. SAMPLING LOCATION 12. SAMPLING COCATION 13. SAMPLING COCATION 14. STATE 12. SAMPLIS: 12. SAMPLIS: 12. SAMPLIS: 12. SAMPLIS: 13. SAMPLIS: 14. SAMPLIS: 15. SAMPLIS: 16. R. 2 16. R. 2 17. SAMPLIS: 18. SAMPLIS: 18. SAMPLIS: 19. SAMPLIS:	BERKEIS	N CO	201 10 100		
19. ACTIVITY: SCD SRP CIB SNUB FRB SPPT Others 11. SAMPLING LOCATION 11. SAMPLING LOCATION 12. SAMPLING LOCATION 13. SAMPLING LOCATION 14. STP		-1 $-CH$	74.710	*1	2 3 4
10. ACTUTY: SOD SRP GB SWB FPB SPP Others  11. SAMPLING LOCATION  11. SAMPLING LOCATION  12. SAMPLING LOCATION  13. SAMPLING LOCATION  14. SAMPLES  12. SAMPLES  12. SAMPLES  12. SAMPLES  12. SAMPLES  13. ANALYSIS REQUESTED: (X desired analysis and enter LDs from 12.a.)  14. SAMPLES  15. M 2	8. DATE SAMPLED:	0 0/1		* Unit Chief's Signature	·
11. SAMPLING LOCATION  b. Site  OF HHA PLAY GROWND STUDY  A. EPA D. No.  C. Address  A. Address  A. Address  A. Address  A. C. PCA  C. Address  A. C. PCA  C.	10. ACTIVITY: FIGOR FIGOR		5/11- 4/7	9. Codes (fill in all	applicable codes)
D. Site D. C. Address  Aumber Sheet City Zip L. Country L. Sample Container		SMB. FPB	SPPT Others		-/
Number Street City ZiP t. County  2	[!			b. INDEX	
Number Street City ZiP t. County  2	b. Site OFHHA DIAV	a. EPA ID No	٥. م د ا	c. PCA	
Number Street City Zip toounty  2. SAMPLES: Sample Container: S. County Sample Container: S. County S. Sample Container: S. Container: S. County S. Sample S. Sam	c Address	OKOU 14D	STUDY	d. MPC	<del>-   -   -   -  </del>
12 SAMPLES:  B. D. Collector's No.  C. TYCE  STATE  C. TYCE  S. TYCE  C. TYCE  S. TY		<u> </u>		- <del></del>	
a D D. Collector's No.  A G R 1	Oli Bel	City	. 70	<del></del>	
A G R 1 POLICION NO. C. HML No. C. TYCE STORE G. Field information B G R 2 G R 3 G R 4 G R 5 G R		•			
A C G R 2  C G R 3  D S M 1  ULL  ULL  ULL  E S M 2  ULL  ULL  ULL  ULL  ULL  ULL  ULL  U	D. Concetors 140.	- c. HML No-			
Le S M 2		PULYESTA	<u> </u>		
D S M 2			1 1 1 1 1 1	MILH I 70/K	
E S M 3	c G R 3				GLASS TAR
Is ANALYSIS REQUESTED: (X desired analysis and enter I.Ds from 12.a.)  13. ANALYSIS REQUESTED: (X desired analysis and enter I.Ds from 12.a.)  ORGANIC ANALYSIS  Sample(s) ID  ORGANIC ANALYSI	<del></del>			<del></del>	
13. ANALYSIS REQUESTED: (X desired analysis and enter I.Ds from 12.a.)  INDRGANIC ANALYSIS  DH  Metals Scan (6010)  Metal(s) Specific  UVET  Cyanides  (chas, write in)  CLP Analysis  (chas, write in)  CLP Analysis  (conty if necessary)  (cont					11
13. ANALYSIS REQUESTED: (X desired analysis and enter I.De from 12.e.)  DH	F S M 3				• • • • • • • • • • • • • • • • • • • •
NORGANIC ANALYSIS   Sample(s)   ID	13. ANALYSIS REQI	IESTED: (V-I-			le
Metals Scan (6010)  Metals (Specific   CL-Pesticides (8081)   OP-Pesticides (8081)   OP-Pesticides (8141)   PCBs (8082)   GR 0 (80185)   OP-Pesticides (8141)   PCBs (8082)   OP-Pesticides (8141)   OP-Pesticides (8141	INCEGANIC AND VOICE		ired analysis and enter I.D	s from 12.a.)	
Metals Scan (6010)  Metal(s) Specific   OP-Pesticides (8081)  OP-Pesticides (8141)  PDBs (6082)  Gethas, write in)  CLP Analysis   OR 0 (8015B)  OR NO (Motor Oil / Both (circle one)  n-Hexané Extractables (1664)  Flash Point (1020)  VOCs Including BTEX (8260)  VOCs - LO Level (5035)  Semivolatiles   VOCs - LO Level (5035)  S	pH	Tible(s) ID			Sample(s) ID
WET Cyanides    POBs (8082)   GRO (9015B)   DR O/ Motor Oil / Both (circle one)	Metals Scan (6010)	<del></del>			
WET Cyanides    Cyanides	Metal(s) Specific			141)	
(cthers, write in) (cothers, write in)  Metals  Mercury Volatilies  Mercury Volatilies  Marcury Volatilies  Volatilies  Volatilies  Volatilies  Volatilies  Volatilies  Others  Contact Lib supervisore first)  Marcury  Ma	WET		PCBs (8082)		
Cothers, write in   Coth	Cyanides		GRO (8015B)		
Cothers, write in   Coth			DRO/Motor Oil	/ Both (circle one)	·
Flash Point (1020)   VOCs Including BTEX (8260)   VOCs Including BTEX (8			n-Hexane Extracta	bles (1664)	
VOCs Including BTEX (8260)	CLP Analysis				
Metals  Mercury  Voiatiles  Semivolatiles  (others, write in)  NALYSIS OBJECTIVE:  Waste Characterization  Check a box)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O Standards  (septiles to DW only)  Drinking H <sub>x</sub> O	(				
Mercury  Volatiles  Semivolatiles  Semivolatiles  Semivolatiles  (others, write in)  NALYSIS OBJECTIVE:  Waste Characterization  Orinking H2O Standards  (applies to DW only)  Treatment Standards  (contact Lab supervisors first)  PAS LIW AS PISSIBLE  JPPLEMENTAL  JEQUESTS  B REMARKS:  AIN OF CUSTODY:  CHARLES VIDAIR  ONLY OF A P OF AND	(only if necessary) (do i	CLP regardless)	VOCs - LO Level	(5035)	
Volatiles  Semivolatiles  Semivolatiles  (others, write in)  NALYSIS OBJECTIVE:  (waste Characterization (otheck a box)  Drinking H2O Standards (applies to DW only)  Treatment Standards (contact Lab supervisors first)  (others (contact Lab supervisors first)  Seportly If Invariant Contact Lab supervisors first)  PAS LUW AS PUSSIBLE  Initials  B REMARKS:  AIN OF CUSTODY:  CHARLES VIDAIR  ONLY					
Semivolatiles  (others, write in)  NALYSIS OBJECTIVE: Waste Characterization (others a point in)  NALYSIS OBJECTIVE: Waste Characterization (others a point in)  Scheck a box) Drinking H <sub>2</sub> O Standards (applies to DW only)  ETECTION LIMIT REQUIREMENTS: AS LOW AS POSSIBLE  JPPLEMENTAL Initials  EQUESTS  B REMARKS:  AIN OF CUSTODY: The point in					
(others, write in)  NALYSIS OBJECTIVE: Waste Characterization Treatment Standards Check a box)  Drinking H <sub>2</sub> O Standards (explies to DW only)  Tothers (contact Lab supervisors first)  Others (contact Lab supervisors first)  PPLEMENTAL  EQUESTS  B REMARKS:  AIN OF CUSTODY:  Others  Othe				sim	ADIASE
NALYSIS OBJECTIVE: Waste Characterization Treatment Standards  Others, write in)  Treatment Standards  Drinking H2O Standards (applies to DW only)  ETECTION LIMIT REQUIREMENTS: AS LIW AS PUSSIBLE  UPPLEMENTAL  EQUESTS  B REMARKS:  AIN OF CUSTODY:  OMAGY VMan  CHARLES VIDAIR  OMAGY VMan  CHARLES VIDAIR  9 6 9 7 9 5 0 1 1 2 5 0 1 1 2 5 0 1 1 2 5 0 1 1 2 5 0 1 1 2 5 0 0 0 1 1 2 5 0 0 0 0 1 1 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					ABUDEF
Drinking H2O Standards (applies to DW only)  ETECTION LIMIT REQUIREMENTS: AS LOW AS POSSIBLE  UPPLEMENTAL  BERMARKS:  AIN OF CUSTODY:  AIN OF	(others, write in)			/ath-	
ETECTION LIMIT REQUIREMENTS: AS LIW AS PISSIBLE  JPPLEMENTAL  JEQUESTS  B REMARKS:  AIN OF CUSTODY:  CHARLES VIDAIR  OM  OM  OM  OM  OM  OM  OM  OM  OM  O	waste chara	cterization	T. I		
A Sthers (contact Lab supervisors first)  (specify if known and contact lab)  AS LOW AS POSSIBLE  REQUESTS  BREMARKS:  AIN OF CUSTODY:  CHARLES VIDAIR  ON 19 05 do d  NAME OF CUSTODY:  Signature(s)		Standards (and	lies to DW and	*************	
JEPPLEMENTAL  REQUESTS  B REMARKS:  Date  Initials  INITIALS  Date  INITIALS  IN	ETECTION LIMIT REQUIREMENTS:	1-1-7-		Others (contac	t Lab supervisors first)
Initials  Date  Almorcustody:  Charles Vidan CHARLES VIDAIR 9605 to 9705  Complex Vidan CHARLES VIDAIR 9605 to 4705  Complex Vidan CHARLES VIDAIR 9605 to 9705  Complex Vidan CHARLES VIDAIR 9605  Complex Vida CHARLES VIDAIR 9605  Com		VV 195	POSSIBLE	,	
AS REMARKS:  Date  JAIN OF CUSTODY:  Office Vidain  CHARLES VIDAIR  9 6 05 to 9 7 05  Office Vidain  Office Vid			×9000000000000000000000000000000000000	[r	nitials
AIN OF CUSTODY:  Charley Vallan CHARLES VIDAIR 9 6 05 to 9 7 05  MANUAL MANUAL CE 9 05 1380-1725  Signature(s)	· =			}	
Many Villan CHARLES VIDAIR 9 6 05 to 9 7 05  MANY PRIES VIDAIR 9 6 05 to 9 7 05  MANY PROPERTY 9 05 1380 - 1725  Signature(s)	TEMARKS:			D	ate
Many Villan CHARLES VIDAIR 9 6 05 to 9 7 05  MANY PRIES VIDAIR 9 6 05 to 9 7 05  MANY PROPERTY 9 05 1380 - 1725  Signature(s)	MAIN OF OUR TOWN				
MANURICE 9 9 05 1300 - 1725 0  Signature(s)				· .	
Mayverce 9 9 05 dod.  Signature(s)  Signature(s)	- UNIAN CHAR	LES VII	DATR	716105	
Signature(s) to	MOM VI	OM 1		1 2 7 to	11/05
Signature(s) to	many mi	AURICE	-	to	TTO dud.
Signature(s) to		, -, -, -,		19 05 136	0-1725
Name(s) / Title (s)	Signature(s)			to	

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

UTION.	NOF RESOL	RECOF	ATTACH	VAGER AND	*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.	ED, CONT	*IF CIRCLI		roblem COC	
								S DFF ON DE	aption (if any): METALS	
								uiring thermal-pres.)	eptance range for samples requiring thermal pres.	
	•							°C? Yes/No*	is corrected temp 4 +/-2°C?	
•								<del>(</del>	Corrected Temp:	T CHANG
	~							3063	14. Read Temp:	us Breeze
					\			· Yes /(No)*	(circle which, if yes)	California de la compansión de la compan
								Received?	13. Trip Blank / Temp Blank Received?	* Kolerania
									12. Proper preservatives used?	AND PROPERTY.
			F	7	<u>Q</u>			₩es / No*	received?	MONTH !
:				7					11. Adequate sample volume	****
	Ì		9/2	Š				(Ŷ)s / No*	hold time?	Chian History
	\		_						10. Sample received within	1000
								®es / No*	agree?	COMPANY.
\								nple labels	traffic reports and sample labels	NEU NA
								hain-of-custody,	<ol><li>Does information on chain-of-custody,</li></ol>	DATE:
			,					Leaking*		2592 A1602
	4	4	Δ	1	~		7	(latact / Broken* /	8. Sample Condition:	ACISAL .
		L			N	-	<u></u>	on Chain-of-Custody		200 (3) (2.2)
						155	10	Called / Not Listed	7. Sample IDs:	Hattanings
					<i>(</i> ζ		bo	Plesent / Absent	6. Sample Labels:	ARCHINE D
					2		28%		5. Airbill #:	SERVICE SERVICE
			_	1	-	Z	40	Present / AbSent		49717, 4267
					3	(	94	Airbill / Sticker	4. Airbill:	2500355
		_		-	2		64	Present / Absent	Packing List:	- Strickish
				, /		53	<i>b4</i>	)	3. Traffic Reports or	MARKS CALL
					)C3	C	1	Pesent / Absent*	2. Chain-of-Custody	23 - 22-00-02
1	1 1	,		<i>f</i>	22	しつ	10	Intact / Broken*		120,1160
Hor 12	E	1	1	250 ml Glessur	1	4 VC	100	Present / Absent	1. Custody Seal(s)	(decared)
DATE REMARKS: SAMPLED CONDITION (ETC.)	SAMPLE MATRIX S	pН	PRESERV ATIVE	CONTAINER DESCRIPTION	CLIENT ID. C	DASH #	LAB D/ SAMPLE#		CIRCLE THE APPROPRIATE RESPONSE	AND RESIDENCE OF A POPULAR PROPERTY.
	,							1	· · ·	OF REAL PROPERTY.
WASTE WATER			101	21-12	DATE LOGGED IN:	DAT		7569 IOM	WORKORDER:	ACC. FOR
DRINKING WATER	DF		22	121	TIME REC'D AT LAB:	TIME		phic	REC. BY (PRINT)	DOM: NO.
For Regulatory Purposes?	Fo		7	2/9/07	DATE REC'D AT LAB:	•	Reportment of Payer	California Reportmen	CLIENT NAME:	e in establish
				,						4

vion 7 v 5 (07/13/04) v/05